VIRAJ SynTex

Narrow Fabrics | Braids | Ropes

Session - 2026-27

Weaving... Endless Possibilities For Various Industries Since 1994

PIA-W-43668C | PIA-W-43685B | PIA-T-43709B | PIA-W-87127

PIA-C-17183B | PIA-C-87129A | PIA-B-371F | PIA-C-43701B

PIA-W-4088 | PIA-T-5038 | PIA-T-87130 | PIA-W-5625



PIA-W-17337 | PIA-A-55301A | PIA-C-5040H

PIA CATALOGUE

Parachute Narrow Fabrics | Braids | Ropes

For critical use : Class 1 Shuttle Loom & Class 1a Needle Loom

PIA-T-5608 | PIA-T-6134C | PIA-C-7515F

NCAGE Code 4927Y

VIRAJ SYNTEX (PVT.) LTD.

www.virajsyntex.com | Info@virajsyntex.com



Who We Are

VIRAJ SYNTEX (P) LTD. (Viraj Group) established in 1994 has managed to carve a niche for itself in terms of customer satisfaction and state of the art technology.

Viraj Group specializes in the field of Narrow Woven Fabrics & Braided Cords/Ropes , Fall Protection Equipments, Material handling & Load Restraint Systems In India, we are one of the leading suppliers of Narrow Woven Fabrics used in Parachutes and other safety equipments used by the Indian Defence Organizations.

Our Manufacturing set-up is spread over 1,50,000 sq. ft and is equipped with finest and latest weaving, braiding, twisting machines along with continuous dyeing and testing equipments. We are one of the few companies having a complete

Vertical Integrated manufacturing process along with complete In house testing of all input raw material till complete finished products which gives us a strong control over quality at every step.

All our systems & process are registered to ISO 9001:2015. & ANSI and CE certifications reaffirm our commitment towards values of quality, innovation & fair Business Practices for complete customer satisfaction.

Viraj Group has expanded its marketing horizons in Europe, UK, GCC, Asia Pacific, Africa, Australia & USA .

Our Registrations & Accreditation

- Aerial Delivery Research & Development Establishment (ADRDE)
- Indian Space Research Organisation (ISRO)
- Ordance Parachute Factory (OPF)
- Ordance Equipment Factory (OEF)
- Directorate General of Quality Assurance (DGQA)
- Bureau of Indian Standards (BIS)
- Defence Material & Stores Research & Development Establishment (DMSRDE)
- The National Small Industries Corporation Limited (NSIC)

About Us

The Viraj group, An ISO 9001 Certified Company & a Star Export House, was born in 1994. What started in the year 1994 as a humble beginning, with just one webbing loom and ten braiding machines, is now a sprawling manufacturing infrastructure spread over 1 million square feet - that specializes in the field of Narrow Woven Fabrics & Braided Cords & Ropes.

Viraj has a staggering monthly production capacity of manufacturing 40 million linear meters of webbing and braided ropes on a more than 50 high speed weaving looms & 150 - top of the line high speed braiding machines.

Being a vertically integrated company, we offer extensive customization every aspect of the product, whether it is design & prototype development , twisting & winding , warping, weaving, dyeing , Finishing & Coating.

Our factory floor is lined up with machines from all around the world that enables us to maintain global standards in terms of quality. Our state-of-art machinery coupled with professional knowledge and an expert team enables us to deliver the highest quality products available.

With a presence in over 50 countries and 30 years of experience, Viraj has truly become the backbone of companies - delivering highest quality products with the fastest delivery times.

Keeping up with the legacy of innovation at Viraj group, we have consistently been manufacturing over 2000 different patterns in specialty textiles. VIRAJ weaves fine denier from 70D to as coarse as 6000D yarns. We can also weave widths range from 5-300 mm and thickness range from 0.5 to 9.0 mm.

Nylon – Polyester - Kevlar® - Nomex® and Textured Nylon are just a few of the many fibers used by VIRAJ to manufacture the highest quality of woven narrow fabrics for "critical use" applications. No substitute is adequate for MIL & PIA spec webbing and tapes where high performance, process control, and complete traceability is required to maintain life support and systems.

Viraj continues to meet the demands of the parachute industry by offering both **Class 1 (critical use, Shuttle Loom) and Class 1a & Class 2 (critical use, Shuttle less/Needle Loom)** material.
Since the Parachute Industry Association (PIA) has taken control of the narrow woven fabrics, Viraj offers both Mil-Spec webbing and PIA-Spec webbing.

Regular MIL/PIA-Spec which we manufacture are:

MIL-W-4088 / PIA-W-4088 - Nylon Webbing
MIL-T-87130 - Kevlar Tape/Webbing
MIL-T-5608 / PIA-T-5608 - Nylon Parachute Tape
MIL-W-17337 - Nylon Webbing
MIL-W-43668C - Textured Nylon Webbing
MIL-T-43709B - Nomex Tape
MIL-PRF-5038 (MIL-T-5038) / PIA-T-5038 - Nylon Tape
MIL-W-5625 / PIA-W-5625 - Nylon Tubular
MIL -T-6134C - Nylon Parachute Tape
A-A-55301 A - Textured Nylon Webbing
MIL-W-43685B - Nomex Tape
MIL-W-87127 - Kevlar Tape

Other MIL-Spec we manufacture are:

A-A-55242A - Polyester Webbing
MIL-W-1002C- Nylon Webbing Resin Treated
MIL-W-27265 - Nylon Webbing Resin Treated
MIL-W-2322B (SH) - Nylon Webbing Slotted
MIL-W-530B- Cotton Webbing
MIL-B-371F - Cotton Tubular
MIL -C-43701B - Nylon or Polyester Cord Elastic

In 2020, Viraj Syntex was awarded a contract to develop Para Aramid Tapes, Webbings & Braided Cords for Parachute to be used in Gaganyaan , first mission by the Indian Space Research Organization to send a three-member crew to space by 2025.

Thanks to the skilled , experienced & certified workforce of over 400 men & women having technical knowledge - running every aspect of production, the Viraj group is well equipped to meet any and all sorts of unique and custom product requirements.

Our USP

- Providing both **Class 1(Shuttle Loom)** and **Class 1a & 2 (Needle Loom)** Webbings as per **MIL/PIA** Specn.
- Our Production Capacity:**Shuttle Loom** 2 Million meter/Annum, **Needle Loom** 5 Million meter/month
- Equipped with In-house complete testing lab.
- Provide quick trial small order service & flexible MOQ in assortment of webbing.
- Producing Parachute & Military Webbing for 30 Years
- Complete Vertical Integrated Manufacturing process
- Free sample available.

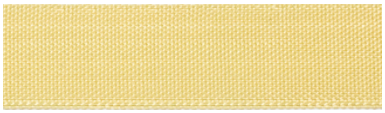
Our Advantages

Team Advantage	:	400+ dedicated workers & staff
Technology Advantage	:	In-House Latest machines & Testing Equipments with R&D Facility
Experience Advantage	:	30+ Years & Exporting to over 45 countries
Cost Advantage	:	20 % Cost Reduction
Delivery Advantage	:	50% Faster Delivery & Guaranteed shipments in 4-6 weeks.
Quality Advantage	:	70 % Risk Reduction
Service Advantage	:	100 % Meet your Requirement

Why Choose Us?

- Fast Delivery, Small Orders Acceptable
- Over 100 thousand square feet of manufacturing base.
- 5+ persons in R&D.
- 400+ experinced workers
- ISO 9001 certified company & star export house
- Over 50 million running meters of monthly output.
- 5 lines of webbing dyeing & printing
- 10+ persons in our sales team.
- 50+ webbing weaving looms & 150+ Braiding Machines.
- Experienced in custom mass production as customer's requirement.
- Manufacturing using Nylon 6 & 6,6 , Polyester Virgin & Recycled , Aramid (Kevlar) & UHMWPE (Dyneema) Yarns
- In-house facility of Resin Treatment , Fire Resistant , Water Resistant , Anti UV & Anti Static
- We offer Custom Shades , Roll Length , Hot Cutting , Laser Cutting , Sewing on Pattern
- Other standards: MIL SPEC, PIA, UK/BS, ISO, ASTM, AATCC, etc.
- Produced qualified webbing for the US, Israel,Canada, Germany, France, UK, Sweden,etc.
- Colour Options : customized, Pantone, RAL, LAB value fabric, webbing swatch.
- Webbing width range in 5-300 mm & Thickness range in 0.5 to 9.0 mm
- Weave Options : Flat, Plain, Tubular, Twill, Herringbone etc.
- MIL/PIA - Spec : 4088, 5038, 87130, 5625, 5608, 6134C,17337, 27657B, 43668C, 43685B, 43709B, 87127, 5040H, 7515F, 17183B, 87129A, 371F, 43701B etc.

Tape, Para-Aramid, 1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9031
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type I



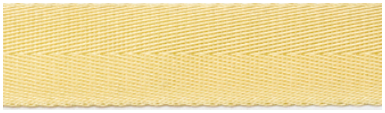
- Plain weave
- Thickness: N/A
- Tensile strength: min. 250 lbs
- Shade: Yellow

Tape, Para-Aramid, 1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9032
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type I



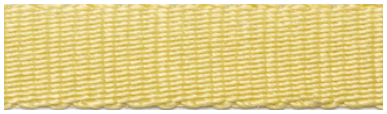
- Plain weave
- Thickness: N/A
- Tensile strength: min. 550 lbs
- Shade: Yellow

Tape, Para-Aramid, 1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9033
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type I



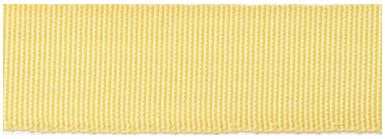
- 1/3 Twill Central Reversal weave
- Thickness: N/A
- Tensile strength: min. 800 lbs
- Shade: Yellow

Tape, Para-Aramid, 1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9034
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type I



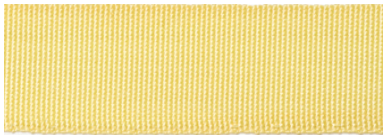
- Double Plain weave
- Thickness: N/A
- Tensile strength: min. 3500 lbs
- Shade: Yellow

Tape, Para-Aramid, 9/16 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9035
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type II



- Plain weave
- Thickness: N/A
- Tensile strength: min. 500 lbs
- Shade: Yellow

Tape, Para-Aramid, 9/16 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9036
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type II



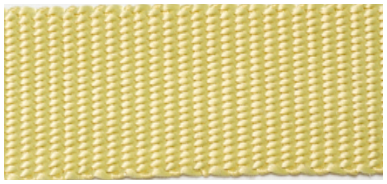
- Plain weave
- Thickness: N/A
- Tensile strength: min. 700 lbs
- Shade: Yellow

Tape, Para-Aramid, 3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9037
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type IV



- Plain weave
- Thickness: N/A
- Tensile strength: min. 500 lbs
- Shade: Yellow

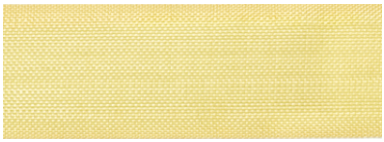
Tape, Para-Aramid, 3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9039
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type IV



- Plain weave
- Thickness: N/A
- Tensile strength: min. 4500 lbs
- Shade: Yellow

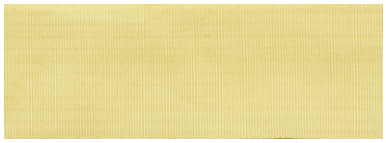
We use DuPont, **Kevlar** Yarn & can also provide yarn traceability report.
We can also supply above items in Para- Aramid yarns of Teijin, **Twaron/Technora** &Hyosung, **Alkex**

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9040
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



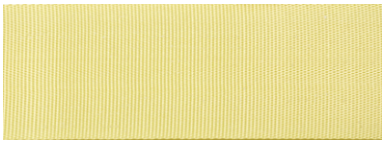
- Plain weave
- Thickness: N/A
- Tensile strength: min. 371 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9041
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



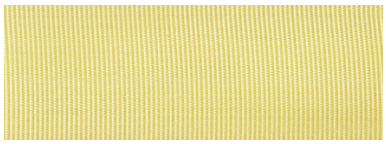
- Plain weave
- Thickness: N/A
- Tensile strength: min. 525 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9042
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



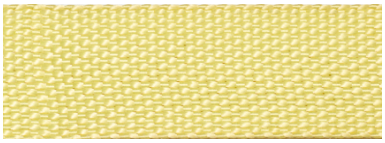
- Plain weave
- Thickness: N/A
- Tensile strength: min. 750 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9044
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



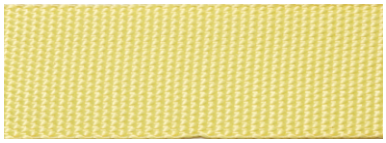
- Plain weave
- Thickness: N/A
- Tensile strength: min. 1500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9045
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



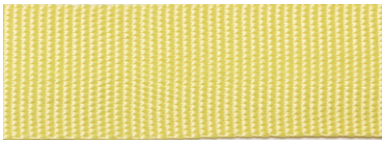
- Plain weave
- Thickness: N/A
- Tensile strength: min. 2500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9046
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



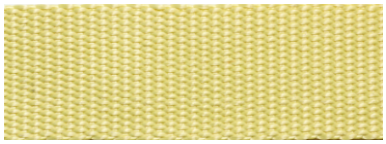
- Plain weave
- Thickness: N/A
- Tensile strength: min. 2400 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9047
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



- Plain weave
- Thickness: N/A
- Tensile strength: min. 3000 lbs
- Shade: Yellow

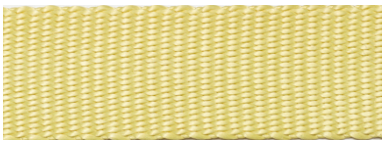
Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9048
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



- Plain weave
- Thickness: N/A
- Tensile strength: min. 4000 lbs
- Shade: Yellow

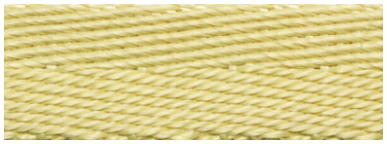
We use DuPont, **Kevlar** Yarn & can also provide yarn traceability report.
We can also supply above items in Para- Aramid yarns of Teijin, **Twaron/Technora** &Hyosung, **Alkex**

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9049
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



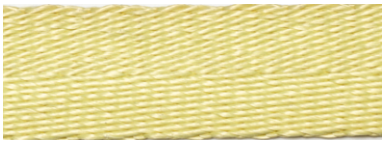
- Herringbone Twill Weave
- Thickness: N/A
- Tensile strength: min. 6000 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9050
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



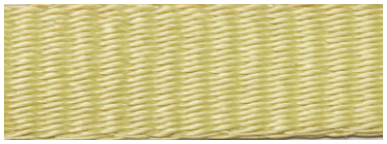
- 51/15 Center Reversal weave
- Thickness: N/A
- Tensile strength: min. 7000 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9052
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



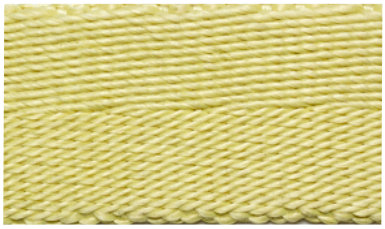
- Herringbone Twill Weave
- Thickness: N/A
- Tensile strength: min. 9500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9053
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VI



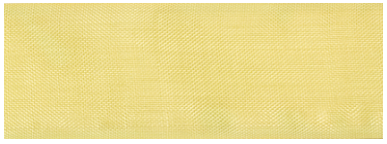
- Plain weave
- Thickness: N/A
- Tensile strength: min. 12500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-1/8 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9056
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type VII



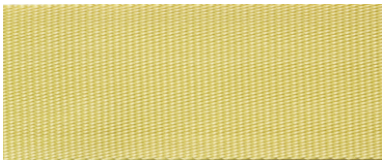
- Herringbone 5/1 Twill Weave
- Thickness: N/A
- Tensile strength: min. 13500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9058
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type IX



- Plain weave
- Thickness: N/A
- Tensile strength: min. 500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9060
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type IX



- Plain weave
- Thickness: N/A
- Tensile strength: min. 3000 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9061
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type X

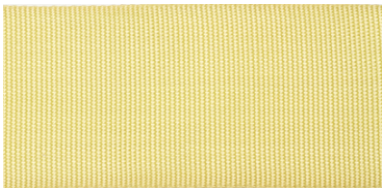


- Plain weave
- Thickness: N/A
- Tensile strength: min. 1000 lbs
- Shade: Yellow

We use DuPont, **Kevlar** Yarn & can also provide yarn traceability report.
We can also supply above items in Para- Aramid yarns of Teijin, **Twaron/Technora** &Hyosung, **Alkex**

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9062
Our Item Code For Needle Loom: N/A

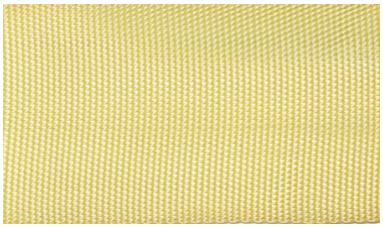
PIA-T-87130 Type X



- Plain weave
- Thickness: N/A
- Tensile strength: min. 1200 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9063
Our Item Code For Needle Loom: N/A

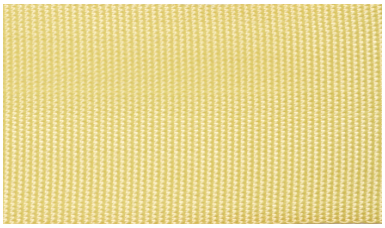
PIA-T-87130 Type X



- Plain weave
- Thickness: N/A
- Tensile strength: min. 2500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9064
Our Item Code For Needle Loom: N/A

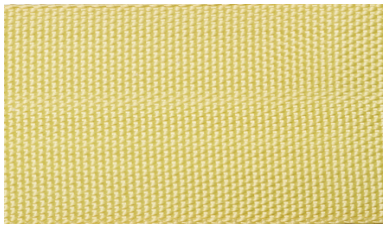
PIA-T-87130 Type X



- Plain weave
- Thickness: N/A
- Tensile strength: min. 3000 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9065
Our Item Code For Needle Loom: N/A

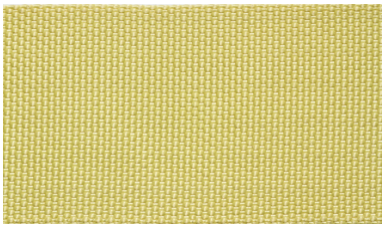
PIA-T-87130 Type X



- Plain weave
- Thickness: N/A
- Tensile strength: min. 4000 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9066
Our Item Code For Needle Loom: N/A

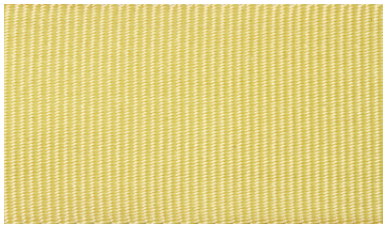
PIA-T-87130 Type X



- Plain weave
- Thickness: N/A
- Tensile strength: min. 4500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9067
Our Item Code For Needle Loom: N/A

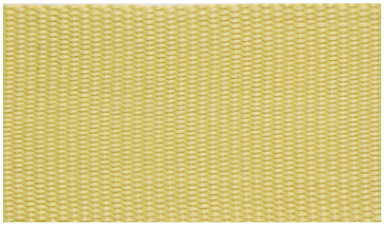
PIA-T-87130 Type X



- Plain weave
- Thickness: N/A
- Tensile strength: min. 6500 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9068
Our Item Code For Needle Loom: N/A

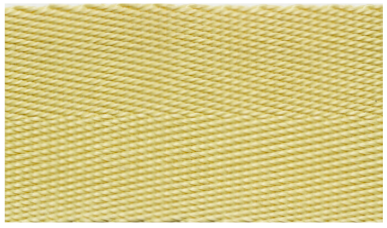
PIA-T-87130 Type X



- Plain weave
- Thickness: N/A
- Tensile strength: min. 8000 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9069
Our Item Code For Needle Loom: N/A

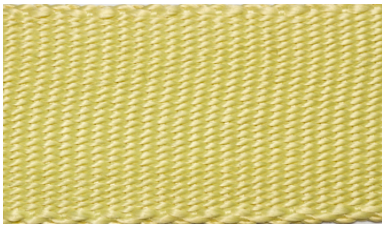
PIA-T-87130 Type X



- Herringbone 2x2 Twill Weave
- Thickness: N/A
- Tensile strength: min. 10000 lbs
- Shade: Yellow

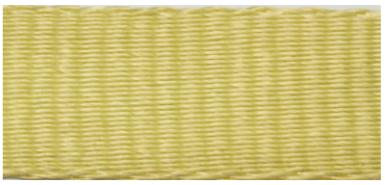
We use DuPont, **Kevlar** Yarn & can also provide yarn traceability report.
We can also supply above items in Para- Aramid yarns of Teijin, **Twaron/Technora** &Hyosung, **Alkex**

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9070
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type X



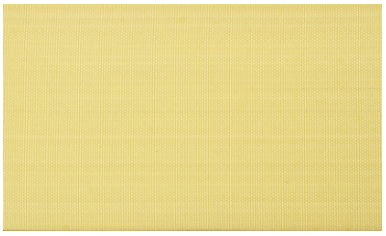
- Double Plain weave
- Thickness: N/A
- Tensile strength: min. 15000 lbs
- Shade: Yellow

Tape, Para-Aramid, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9071
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type X



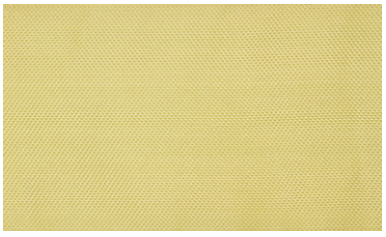
- Double Plain weave
- Thickness: N/A
- Tensile strength: min. 20000 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9072
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



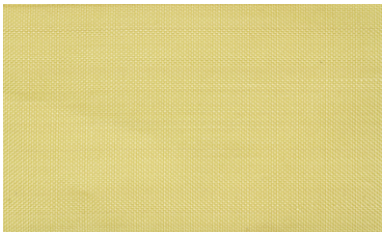
- Plain 1 weave
- Thickness: N/A
- Tensile strength: min. 400 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9073
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



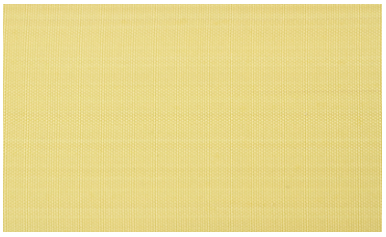
- Plain weave
- Thickness: N/A
- Tensile strength: min. 600 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9074
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



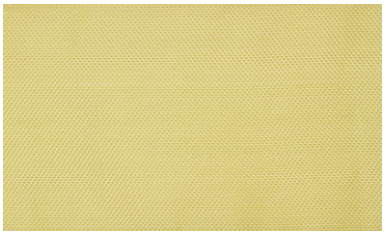
- Plain weave
- Thickness: N/A
- Tensile strength: min. 800 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9075
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



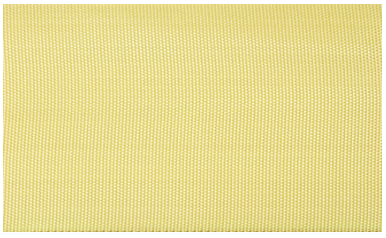
- Plain weave
- Thickness: N/A
- Tensile strength: min. 1000 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9076
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



- Plain weave
- Thickness: N/A
- Tensile strength: min. 1000 lbs
- Shade: Yellow

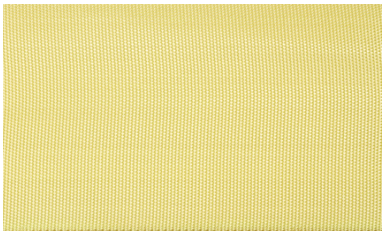
Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9077
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



- Plain weave
- Thickness: N/A
- Tensile strength: min. 1500 lbs
- Shade: Yellow

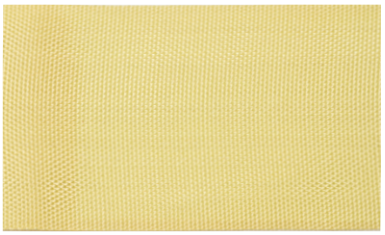
We use DuPont, **Kevlar** Yarn & can also provide yarn traceability report.
We can also supply above items in Para- Aramid yarns of Teijin, **Twaron/Technora** &Hyosung, **Alkex**

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9078
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



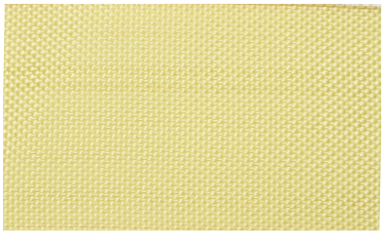
- Plain weave
- Thickness: N/A
- Tensile strength: min. 2000 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9080
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



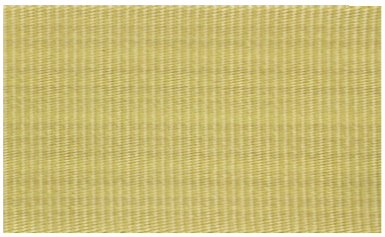
- Plain weave
- Thickness: N/A
- Tensile strength: min. 3000 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9081
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



- Plain weave
- Thickness: N/A
- Tensile strength: min. 4000 lbs
- Shade: Yellow

Tape, Para-Aramid, 2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9084
Our Item Code For Needle Loom: N/A
PIA-T-87130 Type XI



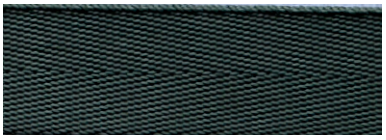
- Plain weave
- Thickness: N/A
- Tensile strength: min. 8000 lbs
- Shade: Yellow

We use DuPont, **Kevlar** Yarn & can also provide yarn traceability report.
We can also supply above items in Para- Aramid yarns of Teijin, **Twaron/Technora** &Hyosung, **Alkex**



Tape, nylon, 9/16 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9000
Our Item Code For Needle Loom: NWF-PIA-1101

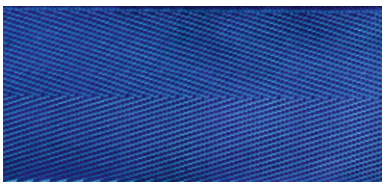
PIA-W-4088 Type I



- Herringbone Twill Weave
- Thickness: 0.025-0.040 inch
- Tensile strength: min. 500 lbs
- Shade: Foliage Green

Tape, nylon, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9003
Our Item Code For Needle Loom: NWF-PIA-1103

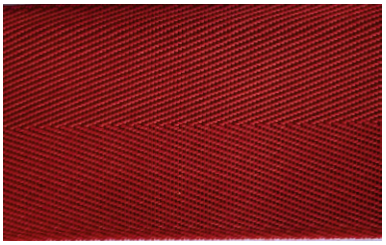
PIA-W-4088 Type II



- Herringbone Twill Weave
- Thickness: 0.025-0.040 inch
- Tensile strength: min. 600 lbs
- Shade: Blue

Tape, nylon, 1-1/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9004
Our Item Code For Needle Loom: NWF-PIA-1104

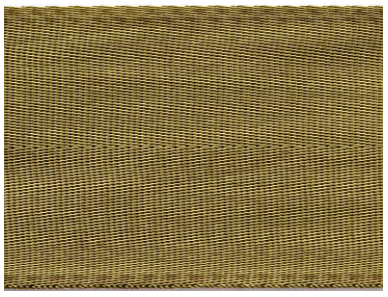
PIA-W-4088 Type III



- Herringbone Twill Weave
- Thickness: 0.025-0.040 inch
- Tensile strength: min. 800 lbs
- Shade: Blood Red

Tape, nylon, 3 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9005
Our Item Code For Needle Loom: NWF-PIA-1105

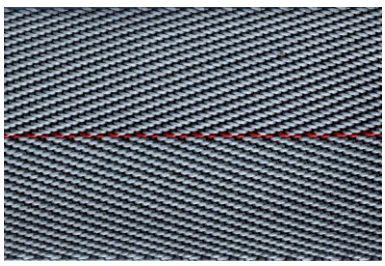
PIA-W-4088 Type IV



- Herringbone Twill Weave
- Thickness: 0.25-0.040 inch
- Tensile strength: min. 1800 lbs
- Shade: Khakhi

Tape, nylon, 1-23/32 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9006
Our Item Code For Needle Loom: NWF-PIA-1106

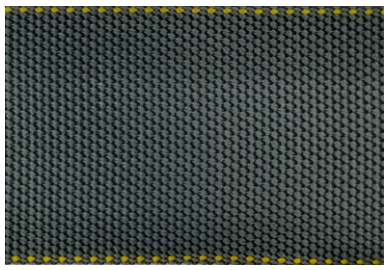
PIA-W-4088 Type VI



- Herringbone Twill Weave
- Thickness: 0.030-0.050 inch
- Tensile strength: min. 2500 lbs
- Shade: Steel Grey

Tape, nylon, 1-23/32 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9007
Our Item Code For Needle Loom: NWF-PIA-1107

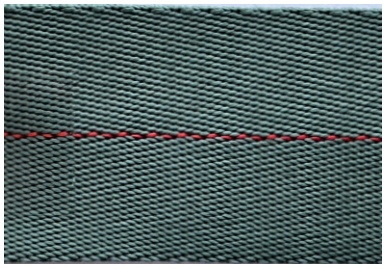
PIA-W-4088 Type VII



- Double Plain weave
- Thickness: 0.060-0.100 inch
- Tensile strength: min. 6000 lbs
- Shade: Foliage Green

Tape, nylon, 1-23/32 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9008
Our Item Code For Needle Loom: NWF-PIA-1108

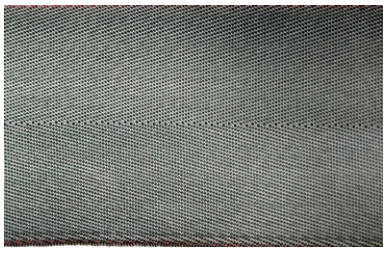
PIA-W-4088 Type VIII



- Herringbone Twill Weave
- Thickness: 0.040-0.070 inch
- Tensile strength: min. 4000 lbs
- Shade: Foliage Green

Tape, nylon, 1-23/32 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9014
Our Item Code For Needle Loom: NWF-PIA-1114

PIA-W-4088 Type XII

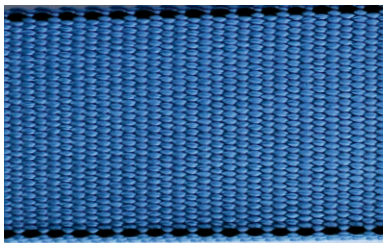


- Herringbone Twill Weave
- Thickness: 0.025-0.040 inch
- Tensile strength: min. 1200 lbs
- Shade: Foliage Green

Above Tapes & Webbing can be Supplied in any shades
with **Resin** Treatment as per **MIL-W-27265 E Class R**

Tape, nylon, 1-23/32 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9015
Our Item Code For Needle Loom: NWF-PIA-1115

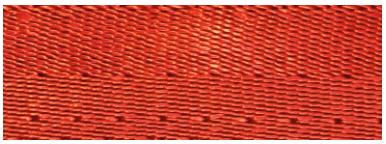
PIA-W-4088 Type XIII



- Double Plain weave
- Thickness: 0.080-0.120 inch
- Tensile strength: min. 7000 lbs
- Shade: Royal Blue

Tape, nylon, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9019
Our Item Code For Needle Loom: NWF-PIA-1119

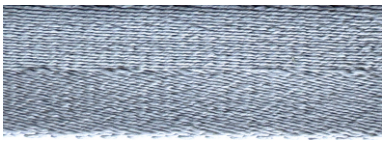
PIA-W-4088 Type XVII



- Herringbone Twill Weave
- Thickness: 0.045-0.070 inch
- Tensile strength: min. 2500 lbs
- Shade: Red

Tape, nylon, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9020
Our Item Code For Needle Loom: NWF-PIA-1120

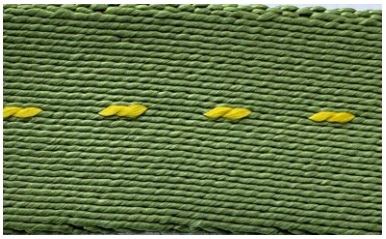
PIA-W-4088 Type XVIII



- Herringbone Twill Weave
- Thickness: 0.100-0.160 inch
- Tensile strength: min. 6000 lbs
- Shade: Steel Grey

Tape, nylon, 1-3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9028
Our Item Code For Needle Loom: NWF-PIA-1128

PIA-W-4088 Type XXVI



- Twill weave
- Thickness: 0.150-0.180 inch
- Tensile strength: min. 15000 lbs
- Shade: Olive Green



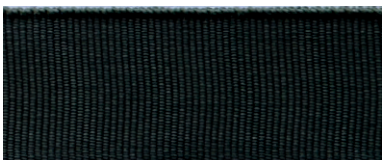
Above Tapes & Webbing can be Supplied in any shades
with **Resin** Treatment as per **MIL-W-27265 E Class R**

Tape, nylon, 3/8 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9095
Our Item Code For Needle Loom: NWF-PIA-1259
PIA-T-5038 Type III



- Plain weave
- Thickness: 0.015-0.025 inch
- Tensile strength: min. 200 lbs
- Shade: Foliage Green

Tape, nylon, 1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9096
Our Item Code For Needle Loom: NWF-PIA-1260
PIA-T-5038 Type III



- Plain weave
- Thickness: 0.015-0.025 inch
- Tensile strength: min. 250 lbs
- Shade: Foliage Green

Tape, nylon, 3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9097
Our Item Code For Needle Loom: NWF-PIA-1261
PIA-T-5038 Type III



- Plain weave
- Thickness: 0.015-0.025 inch
- Tensile strength: min. 400 lbs
- Shade: Foliage Green

Tape, nylon, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9098
Our Item Code For Needle Loom: NWF-PIA-1262
PIA-T-5038 Type III



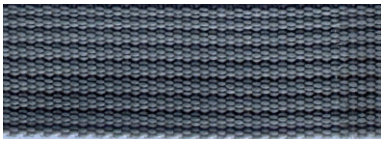
- Plain weave
- Thickness: 0.015-0.025 inch
- Tensile strength: min. 525 lbs
- Shade: Foliage Green

Tape, nylon, 1-1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9099
Our Item Code For Needle Loom: NWF-PIA-1263
PIA-T-5038 Type III



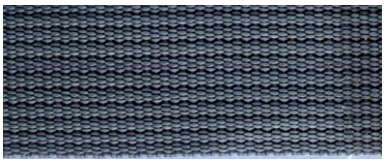
- Plain weave
- Thickness: 0.015-0.025 inch
- Tensile strength: min. 850 lbs
- Shade:Foliage Green

Tape, nylon, 1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9100
Our Item Code For Needle Loom: NWF-PIA-1264
PIA-T-5038 Type IV



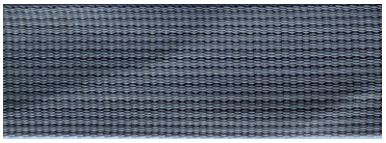
- Plain weave
- Thickness: 0.030-0.040 inch
- Tensile strength: min. 550 lbs
- Shade: Steel Grey

Tape, nylon, 5/8 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9101
Our Item Code For Needle Loom: NWF-PIA-1265
PIA-T-5038 Type IV



- Plain weave
- Thickness: 0.030-0.040 inch
- Tensile strength: min. 625 lbs
- Shade: Steel Grey

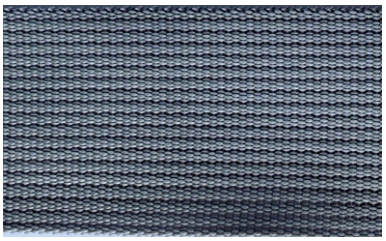
Tape, nylon, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9102
Our Item Code For Needle Loom: NWF-PIA-1266
PIA-T-5038 Type IV



- Plain weave
- Thickness: 0.030-0.040 inch
- Tensile strength: min. 1000 lbs
- Shade: Steel Grey

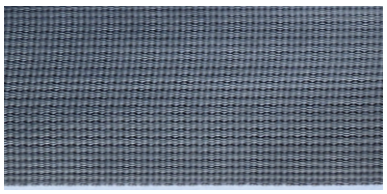
Above Tapes & Webbing can be Supplied in any shades
with **Resin** Treatment as per **MIL-W-27265 E Class R**

Tape, nylon, 1-1/8 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9103
Our Item Code For Needle Loom: NWF-PIA-1267
PIA-T-5038 Type IV



- Plain weave
- Thickness: 0.030-0.040 inch
- Tensile strength: min. 1100 lbs
- Shade: Steel Grey

Tape, nylon, 1-1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9104
Our Item Code For Needle Loom: NWF-PIA-1268
PIA-T-5038 Type IV



- Plain weave
- Thickness: 0.030-0.040 inch
- Tensile strength: min. 1500 lbs
- Shade: Steel Grey

Tape, nylon, 9/16 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-9105
Our Item Code For Needle Loom: NWF-PIA-1269
PIA-T-5038 Type V



- Herringbone Twill Weave
- Thickness: 0.020-0.030 inch
- Tensile strength: min. 500 lbs
- Shade: Olive Green

Above Tapes & Webbing can be Supplied in any shades with **Resin** Treatment as per **MIL-W-27265 E Class R**

Tape, nylon, multiple(5) tubula, 1-1/2 inches wide
Our Item Code For Shuttle Loom: N/A
Our Item Code For Needle Loom: NWF-PIA-1251
PIA-T-5666



- Plain weave, multiple(5) tubular
- Thickness: 0.020 - 0.025 inch
- Tensile strength: min. 500 lbs
- Shade: Olive Green

Tape, nylon, 0.375 inches wide
Our Item Code For Shuttle Loom: N/A
Our Item Code For Needle Loom: NWF-PIA-1202
PIA-T-5608



- Conventional hatband type.
- Thickness: N/A
- Tensile strength: min. 58 lbs
- Shade: Natural

Tape, nylon, 1.250 inches wide
Our Item Code For Shuttle Loom: N/A
Our Item Code For Needle Loom: NWF-PIA-1206
PIA-T-5608



- Conventional hatband type.
- Thickness: N/A
- Tensile strength: min. 280 lbs
- Shade: Natural

Tape, nylon, 2.000 inches wide
Our Item Code For Shuttle Loom: N/A
Our Item Code For Needle Loom: NWF-PIA-1207
PIA-T-5608



- Conventional hatband type.
- Thickness: N/A
- Tensile strength: min. 460 lbs
- Shade: Natural

Tape, nylon, 3/8 inch wide
Our Item Code For Shuttle Loom: NW S-PIA-9085
Our Item Code For Needle Loom: NWF-PIA-1131
PIA-W-5625



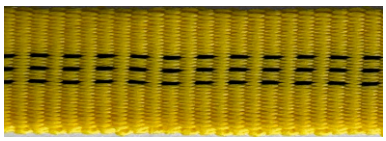
- Tubular, Plain weave
- Thickness: max. 0.090 inch
- Tensile strength: min. 950 lbs
- Shade: Natural

Tape, nylon, 1/2 inch wide
Our Item Code For Shuttle Loom: NW S-PIA-9086
Our Item Code For Needle Loom: NWF-PIA-1132
PIA-W-5625



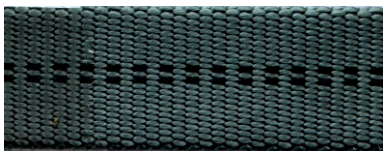
- Tubular, Plain weave
- Thickness: max. 0.090 inch
- Tensile strength: min. 1000 lbs
- Shade: Brown

Tape, nylon, 9/16 inch wide
Our Item Code For Shuttle Loom: NW S-PIA-9087
Our Item Code For Needle Loom: NWF-PIA-1133
PIA-W-5625



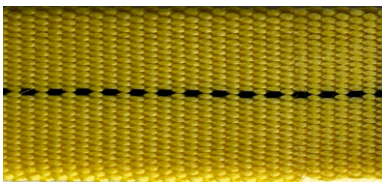
- Tubular, Plain weave
- Thickness: max. 0.090 inch
- Tensile strength: min. 1500 lbs
- Shade: Yellow

Tape, nylon, 5/8 inch wide
Our Item Code For Shuttle Loom: NW S-PIA-9088
Our Item Code For Needle Loom: NWF-PIA-1134
PIA-W-5625



- Tubular, Plain weave
- Thickness: max. 0.100 inch
- Tensile strength: min. 2250 lbs
- Shade: Foliage Green

Tape, nylon, 3/4 inch wide
Our Item Code For Shuttle Loom: NW S-PIA-9089
Our Item Code For Needle Loom: NWF-PIA-1135
PIA-W-5625

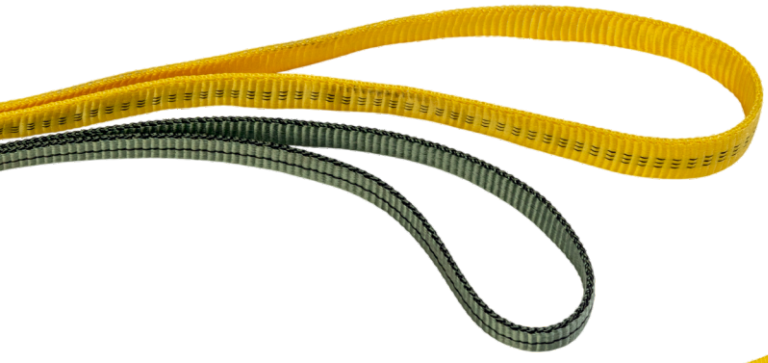


- Tubular, Plain weave
- Thickness: max. 0.120 inch
- Tensile strength: min. 2300 lbs
- Shade: Golden Yellow

Tape, nylon, 1 inch wide
Our Item Code For Shuttle Loom: NW S-PIA-9091
Our Item Code For Needle Loom: NWF-PIA-1137
PIA-W-5625



- Tubular, Plain weave
- Thickness: max. 0.120 inch
- Tensile strength: min. 4000 lbs
- Shade: Foliage Green



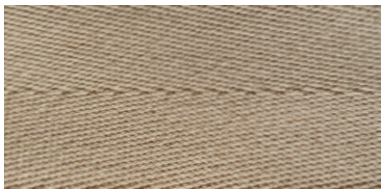


Tape, cotton, 1/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9018
Our Item Code For Needle Loom: NWF-PIA-C-1159
PIA-T-5661 Type I



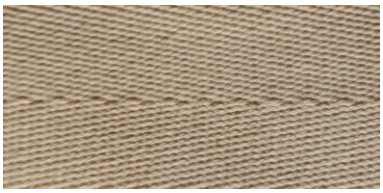
- Plain weave
- Tensile strength: min. 80 lbf
- Shade: Natural

Tape, cotton, 3/4 Inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9025
Our Item Code For Needle Loom: NWF-PIA-C-1166
PIA-T-5661 Type II



- Double Herringbone
- Tensile strength: min. 165 lbs
- Shade: Natural

Tape, cotton, 1-1/2 Inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9028
Our Item Code For Needle Loom: NWF-PIA-C-1169
PIA-T-5661 Type II



- Double Herringbone
- Tensile strength: min. 330 lbs
- Shade: Natural

Tape, cotton, 3/4 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9033
Our Item Code For Needle Loom: NWF-PIA-C-1174
PIA-T-5661 Type III



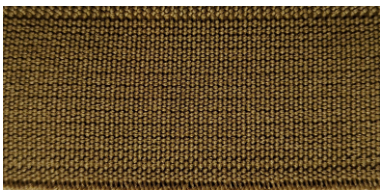
- Twill weave, 2X2
- Tensile strength: min. 75 lbf
- Shade: Olive Green

Webbing, cotton, elastic, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9042
Our Item Code For Needle Loom: NWF-PIA-C-1184
PIA-W-5664 Type I



- Thickness: 0.016 0.046 inch
- Load range: 3.00 - 5.50 lbf
  (to produce 50% elongation)

Webbing, cotton, elastic, 1-1/2 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9043
Our Item Code For Needle Loom: NWF-PIA-C-1185
PIA-W-5664 Type I



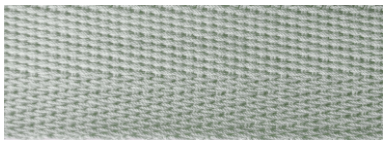
- Thickness: 0.016 0.046 inch
- Load range: 5.00 - 7.00 lbf
  (to produce 50% elongation)

Webbing, cotton, 9/16 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9000
Our Item Code For Needle Loom: NWF-PIA-C-1101
PIA-W-5665 Type I



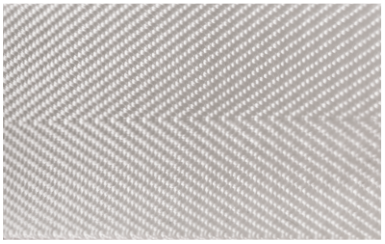
- Herringbone 2x2 Twill Weave
- Thickness: 0.040 - 0.050 inch
- Tensile strength: min. 350 lbf
- Shade: Natural

Webbing, cotton, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9001
Our Item Code For Needle Loom: NWF-PIA-C-1102
PIA-W-5665 Type II



- Herringbone 2x2 Twill Weave
- Thickness: 0.040 - 0.050 inch
- Tensile strength: min. 575 lbf
- Shade: Natural

Webbing, cotton, 1-1/4 inches wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9002
Our Item Code For Needle Loom: NWF-PIA-C-1103
PIA-W-5665 Type III



- Herringbone 2x2 Twill Weave
- Thickness: 0.040 - 0.050 inch
- Tensile strength: min. 750 lbf
- Shade: Natural

Webbing, cotton, 1-3/4 inches wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9007
Our Item Code For Needle Loom: NWF-PIA-C-1106
PIA-W-5665 Type VIII



- Herringbone 2x2 Twill Weave
- Thickness: 0.070 - 0.095 inch
- Tensile strength: min. 2700 lbf
- Shade: Olive Green

Webbing, cotton, 1 inch wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9014
Our Item Code For Needle Loom: NWF-PIA-C-1110
PIA-W-5665 Type XVII



- Herringbone 2x2 Twill Weave
- Thickness: 0.075 - 0.095 inch
- Tensile strength: min. 900 lbf
- Shade: Natural

Webbing Cotton, 3 Inches wide
Our Item Code For Shuttle Loom: NWFS-PIA-C-9063
Our Item Code For Needle Loom: NWF-PIA-C-1121
PIA-W-530 Type II



- Plain Weave
- Thickness: N/A
- Tensile Strength: 810 lbf
- Shade: Natural

Cord, nylon, suspension lines, 5 cores
Our Item Code: BC-1103
PIA-C-5040 Type II



*Terms/conditions apply

- Braided weave, 5 cores, 32 carriers
- Tensile strength: min. 400 lbf
- Elongation: min. 30%
- Shade: Natural

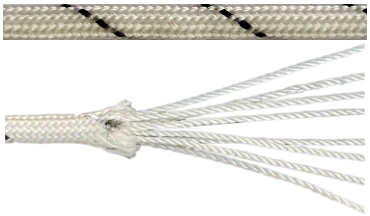
Cord, nylon, Braided, coreless
Our Item Code: BC-1102
PIA-C-5040 Type IA



*Terms/conditions apply

- Braided weave, coreless, 16 carriers
- Tensile strength: min. 100 lbf
- Elongation: min. 30%
- Shade: Natural

Cord, nylon, suspension lines, 8 cores
Our Item Code: BC-1105
PIA-C-5040 Type III



- Braided weave, 8 cores, 32 carriers
- Tensile strength: min. 550 lbf
- Elongation: min. 30%
- Shade: Natural

Cord, nylon, Braided, Coreless
Our Item Code: BC-1104
PIA-C-5040 Type II A



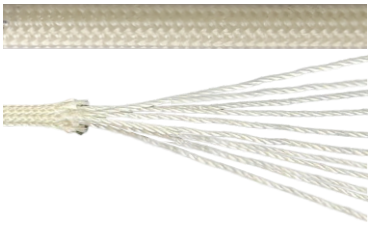
- Braided weave, Coreless, 32 carriers
- Tensile strength: min. 225 lbs
- Elongation: min. 30%
- Shade: Olive Green

Cord, nylon, Braided, coreless
Our Item Code: BC-1107
PIA-C-7515 Type I



- Braided weave, coreless , 16 carriers
- Tensile strength: min. 400 lbs
- Elongation: min. 20%
- Shade: Natural

Cord, nylon, Braided, 11 cores
Our Item Code: BC-1106
PIA-C-5040 Type IV



- Braided weave, 11 cores , 32 carriers
- Tensile strength: min. 750 lbs
- Elongation: min. 30%
- Shade: Natural

Cord, nylon, Braided, coreless
Our Item Code: BC-1110
PIA-C-7515 Type III



*Terms/conditions apply

- Braided weave, coreless , 16 carriers
- Tensile strength: min. 750 lbs
- Elongation: min. 20%
- Shade: Natural

Cord, nylon, Braided, coreless
Our Item Code: BC-1109
PIA-C-7515 Type II



*Terms/conditions apply

- Braided weave, coreless , 16 carriers
- Tensile strength: min. 550 lbs
- Elongation: min. 20%
- Shade: Natural

Cord, nylon, Braided, coreless
Our Item Code: BC-1113
PIA-C-7515 Type V



- Braided weave, coreless , 16 carriers
- Tensile strength: min. 1500 lbs
- Elongation: min. 20%
- Shade: Natural

Cord, nylon, suspension lines, coreless
Our Item Code: BC-1112
PIA-C-7515 Type IV



- Braided weave, coreless, 16 carriers
- Tensile strength: min. 1000 lbf
- Elongation: min. 20%
- Shade: Natural





Machines & Equipment

Narrow Woven Fabrics (Tapes/Webbings)

Warping M/c with 200 ends creel stand	:	For making beams of desired no of ends thru warping process .The yarns are placed on creel stand and warped on beams with required yarn tension.
Shuttle Looms	:	A shuttle containing the filling yarn passes through the shed (opening of warp yarns) to produce the desired weave. Can produce a seamless edges tube and items with two woven edges.
Automatic High speed Needle Looms (Shuttle-Less Loom)	:	A needle passes the filling yarn through the shed where it is anchored and the passed back to the stating point before the warp yarns change pattern. This produces one woven edge and one selvage edge.
Computerized Jacquard Loom - 240 hooks	:	Utilizing a computer controlled CAD design system; each individual warp yarn is controlled individually. Allows for writing in fabric and 3-dimensional shapes and structures.
Rubber Positive Feeder	:	Thru this attachment uniform & continous tension on rubber threads is maintained while on weaving process of elastic tapes & webbings.
Continues Dyeing M/C with hot air circulated chamber & steamer with neumatic pressure rollers on padding.	:	Large scale continues dyeing produces a consistent color throughout the lot at a high rate of production. Smaller custom lots are still available through our batching process. Both methods are processed through the quality lab to ensure color conformance.
Continues Washing M/c with SS Tanks	:	For continues washing of Narrow fabrics to remove surplus colour on padding process to get better wash fastness ratings.
Continues Coating M/c with hot air circulated chamber with neumatic pressure rollers on padding.	:	For continues coating like UV , Water Repellence , Flame Retardant & Resin treatment on Narrow fabrics and also for pigment dyeing.
Finishing / Calendring M/C	:	Application and curing for all types of fabric finishes: flame treatment, resin treatment, stiffening agents, silicone release agents, starches, etc.
Screen Printing M/c (Semi Automatic)	:	For continues screen printing on any kind of narrow woven fabrics.
Rolling & Festooning M/c	:	For making desired rolls of narrow fabrics.
Automatic Strap measuring & Hot Cutting M/C	:	For continues measuring & Heat cut straight and angled / sealed ends.
Hole Punching Equipment	:	For making holes in webbings before applying the eyelets.

Braided & Twisted Cords/Ropes

Automatic High Speed Bobbin Winders	:	For making bobbins of desired length.
High Speed Braiding M/c (8 ,16 , 24, 32 & 48 carriers)	:	Braids are textiles formed by plaiting several yarns together diagonally (weaving is at orthogonal angles). The number of strands available for braiding at VIRAJ goes from 8 to 64
Solid Braiding M/c (12 & 18 carriers)	:	For making Braided ropes with solid type affect. At present we have 12 & 18 spindles/ carrier machine.
Knit Braiding M/c	:	For making knitted cords of dia 3 - 8mm dia & ropes from 10 - 16 mm dia.
Twisting M/c (16 & 200 Spindles) & TFO M/c	:	For giving initial twist in yarns and to also make twines.
Twisted Rope making (3 Strands) M/c	:	For making twisted ropes of dia 2 - 8 mm
Twisted Rope making (3 Strands) M/c	:	For making twisted ropes of dia 10 - 18 mm
Shoe Lace Cutting and Tipping M/c	:	For automatic measuring , cutting & end tipping of cords for making shoe laces.

Our Capabilities

Operating, needle/shuttle less, Shuttle looms, Jacquard, and specialty broad Web looms, as well as, modern ranges in our dyeing and finishing departments, VIRAJ provides customers with quality products manufactured to precise specifications.

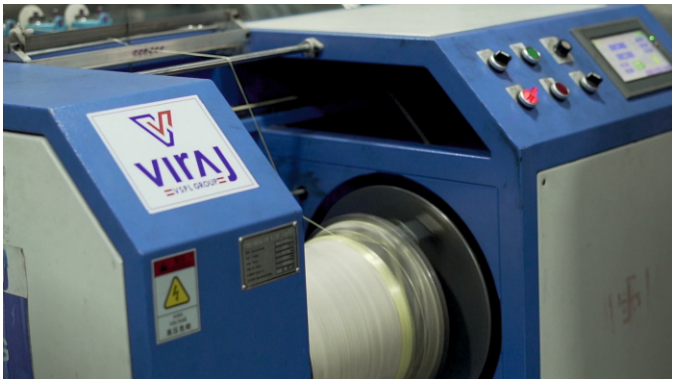
VIRAJ offers a full range of services to cover every aspect of **design**, **production**, and **post-production** processes. From design and prototype development, to **weaving**, **dyeing**, **finishing**, **strap cutting** , and **minor assembly** Viraj Group can meet your unique product requirements.

Our Post weave processing technologies

- **Dye house capabilities** include yarn dyeing, small lot batch dyeing, and large lot continuous dyeing. We utilize spectrophotometers for color matching in order to minimize the time spent in the lab and increase production efficiencies. Lab dips are available through our dye lab for color matching of customer samples.
- **Finish capabilities** are heat setting, scouring, resin treating for abrasion and/or stiffness, water based Teflon®, silicone, latex, waterproof, flame treat, anti-fungal, and pre-shrinking.
- **Coating capabilities** covers UV Coating on Tapes & webbings for Arrester Barrier Nets used in arresting Air craft's.
- VIRAJ **strap cutting** department offers custom length cutting, sealing & hole punching. As a result of VIRAJ strong commitment to quality, the company has developed a top rate in house lab testing facility.
- **Test reports** and certificates of conformance to the specifications are available upon request. Tests available include, but not limited to, tensile, elongation, color fastness, abrasion, etc.



Warping M/c with 200 ends creel stand



Sample Warping Machine



Computerised high speed precision Yarn twisting M/c



Ring Twister



Needle Loom Weaving Section



Automatic High speed Needle Looms (Shuttle-Less Loom)



Shuttle Loom Section



Shuttle Loom



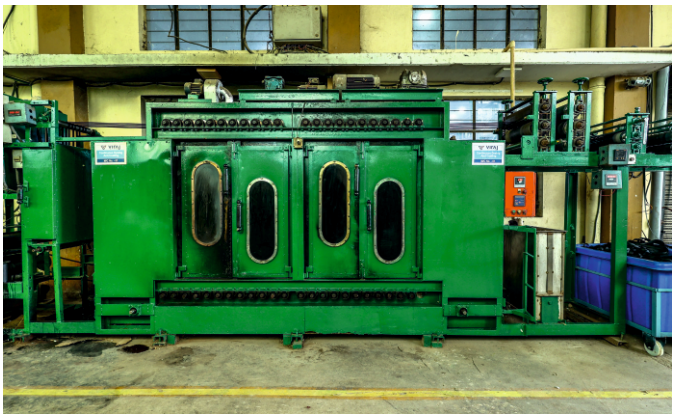
Continous Dyeing M/c for Nylon (Steaming Process)



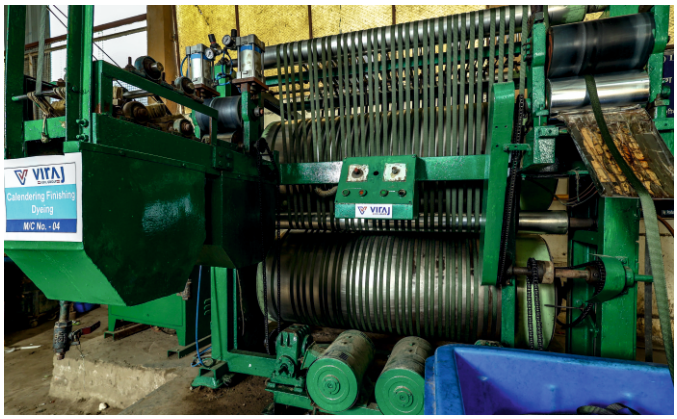
(High Temp hot air circulated Process)
Continous Dyeing M/c for Polyeter



Continious Washing M/c



Continous Padding & Coating M/c



Finishing/Calendring M/C



Screen Printing M/c (Semi Automatic)



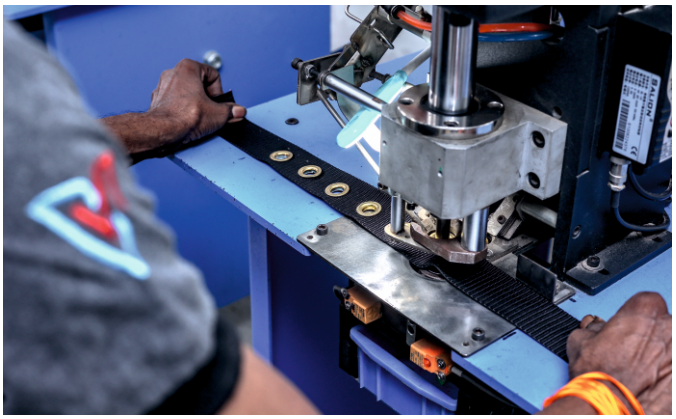
Rolling making M/c



Festooning M/c for Elastics



Automatic Web Cutting



Hole Punching Equipment



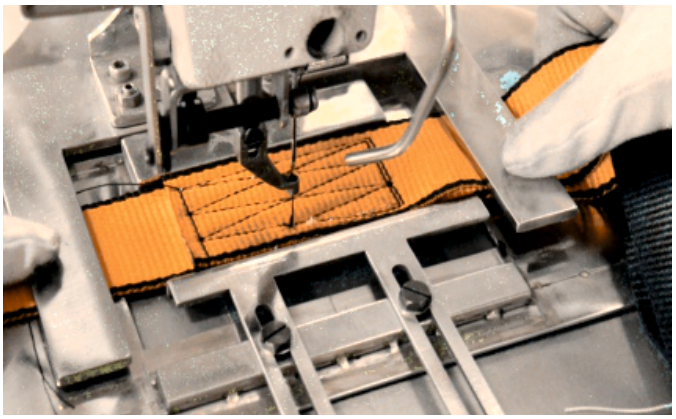
Solid 12 spindle Braiding M/c



High Speed 12, 16, 32 & 48 spindles Braiding M/c



Tape Separator Machine



Automatic Stitching



Twisted Twines/Rope making (3 Strands) 2 - 6 mm Dia



Twisted Rope making (3 & 4 Strands) 8 - 20 mm Dia



Weaving Section

Our In-House Testing & Laboratory

VIRAJ Quality Management System (QMS) is certified to **ISO 9001:2015**. Quality efforts include an emphasis on continuous improvement and defect prevention.

Over the years we have implemented a full-scale R&D laboratory, manufacturing/weaving facilities along with a processing and finishing plant, redefining our role from a weaver and coater to a total textile solution provider.

VIRAJ in-house Quality Assurance Laboratory operates daily to assure conformance to specifications at every stage of production. Customers can be assured that all military, aerospace, Fall Protection, Cargo Lifting Slings and customer-specific requirements will be met. We are able to provide 100% traceability of our goods and provide all appropriate supporting documentation.

(Scan below QR Codes to see our testing video)

1 2 3 4 5 6 7

8 9 10 11 12 13

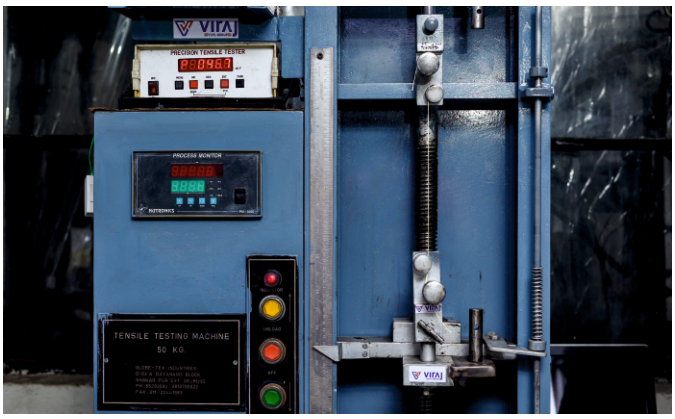
1. Conditioning the Sample Before Testing
2. Measure Breaking Strength/GPD of Yarn
3. Measure Yarn TPM & Yarn Ply/Fold
4. Measure Melting Point of Yarn
5. Measure Weight/Meter of Webbings & Cords
6. Measure Thickness of Webbing/Tapes
7. Testing of Abraision on Webbings
8. Measure Breaking Strength of Webbing Tapes/Cords
9. Measure Breaking Strength of Tapes/Cords
10. Conditioning & Resistance to Heat Testing Purpose
11. Measure Color Fastness & Rubbing
12. Measure Color/Shade Variation
13. Measure Wasing Fastness of Webbing/Tapes



Conditioning Chamber with thermostat Range (0-110° C)



Electronic Weighing Balance (0.001g & 0-220g)



Digital Yarn Tensile Testing , Capacity 50 kgf



Digital Tensile Testing Machines (20,000 Kgf max)



Digital Tensile Testing Machines (100,000 Kgf max)



Chemical Analysis for Fibre Identification



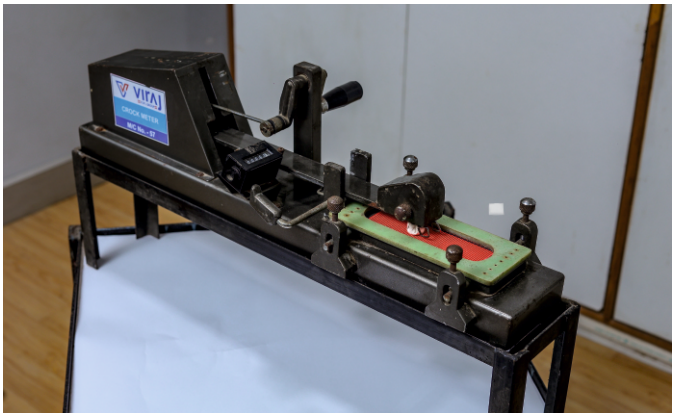
Thickness Gauge (0-10 mm & LC 0.01 mm)



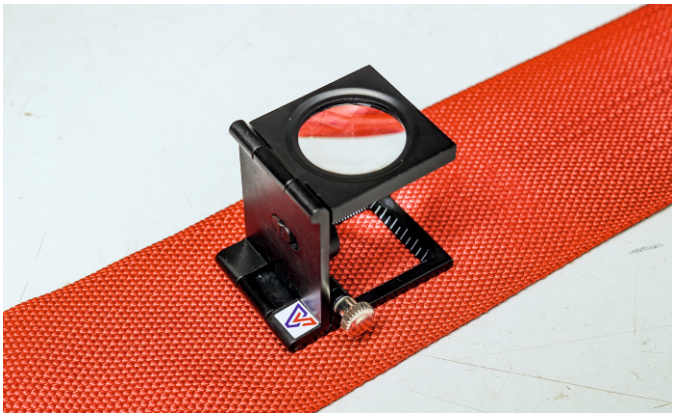
Digital Yarn Tension meter



Twist Tester Motorized (0-99999 counts)



Crock Meter/Rubbing-Wet & Dry



Counting/Pick Glass (1.0 x 1.0 inch)



Digital Ph Testing Meter



Digital Yarn Melting Point Testing



Washing Fastness Testing (Laundering)



Shade matching cabinet



Spectrophotometer for shade matching testing



Oven with timer and Temp. Control (1° C - 250° C)



Cold Conditioning Chamber upto - 45 degree



Webbing Abraision Cyclic testing



Force/Impact measuring



Resistance to Heat



Resistance to Light



Lab Office



Lab Office



Physical Lab



Chemical Lab

F.A.Q

Do You Have Questions?

We have answers (well, most of the times!)

Below you'll find answers to the most common questions you may have. If you still can't find the answer you're looking for, just contact us!

Do You offer samples ?
Yes, sample to test quality and Pre Production sample are available

How fast can you send a sample product?
Normally, 7-10 days, for some special products need to re-confirm.

How long will it take to receive the samples?
Yes, sample to test quality and Pre Production sample are available

How Long for manufacturing once place order?
Production Lead time is normally 4-6 weeks based on order Qty. and products.

What is your minimum order quantity(MOQ) ?
We offer flexible of minimum order quantity starting from 1000 meters

Is there any extra charges on minimum order quantity(MOQ) ?
We charge a min of USD 300 extra if Net Order value is less than USD 4000.

Are custom colors available?
Yes, color can be done by Pantone number or custom color sample.

Can we brand with our logo ?
We offer private labeling and custom logos, including printing, embroidering, engraving, labeling and packaging.

Can you arrange transportation FOB INDIA?
Shipment can be done by FOB, CIF, and DDU by sea/air/express as you like.

What kind of packaging do you offer?
Normally by 5 ply exporting caton, custom package can be done requested.

Where your factory is located ?
In Kanpur city , Uttar Pradesh state , INDIA

Do you support OEM services ?
Yes, both OEM and ODM.

What are your payment terms ?
40% advance deposit & balance before shipment.

Can we pay using Paypal or Credit cards?
NO , Paypal, Western Union and credit card payments are NOT acceptable.

What fibers are your webbings made of ?
The majority of our webbing is made out of nylon or polyester fibers. We also weave products out of high-performance fibers, such as Para-Aramid (Kevlar®), Meta-Aramid (Nomex®), UHMWPE (Dyneema®) , Lycra®, and natural rubber.

What are your dyeing capabilities?
We have our own continious dyeing machines on site for Nylon and Polyester dyeing capabilities. We can also piece dye, Thermasol dye, or pigment dye webbing.

Do you dye to custom colors ?
Yes, sample to test quality and Pre Production sample are available

How long does an order take to be dyed?
Yes, sample to test quality and Pre Production sample are available

What are your finishing capabilities?
Our finishing department is able to apply all types of finishes such as Nano Sphere®, latex finishes, flame retardant chemistry, and anti-static finishes.

What type of “Value Added Services” does VIRAJ have?
We offer Heat cut and seal straps straight or angled , Minor assembly and sewing & Specialty packaging

Do you manufacture end products ?
We offer a cut and sew department for light assembly. Please contact a sales representative for more information.

Do you manufacture light weight webbing?
We focus on manufacturing medium to heavyweight webbing.

What kind of looms are your webbings manufactured with ?
We have a variety of looms including High speed Needle Looms , Conventional Shuttle looms & Jacquard looms.

What widths & thickness do you manufacture ?
We currently manufacture items from 1/4 inch to 12 inches & thickness ranging from 0.20 to 10.0 mm

Do you offer quantity discounts?
Yes, depending on the item.

NOTE

CONVERSIONS CHART						
Unit	Gm	daN	lbf	N	Kg	Ton
1 Kg	1000	0.98	2.2	9.81	0	0.001
1 Gm	0	0.00098	0.0022	0.0098	0.001	0.000001
1 daN	1019.71	0	2.24	10	1.019	0.00101
1 lbf	453.59	0.444	0	4.44	0.45	0.0004535
1 N	101.97	0.1	0.224	0	0.1019	0.000101
1 Ton	1000000	980.66	2204	9806.65	1000	0
1 KN	101971.62	100	0.224	1000	101.97	0.1019
Unit	Meter	Cms	Yard	Foot	Inch	Mile
1 KM	1000	100000	1093.61	3280.84	39370.1	0.621
Unit	Meter	Cm	mm	Dm		
1 INCH	0.0254	2.54	25.4	0.254		
Unit	Meter	Cm	mm	Foot	Inch	Yard
1 Meter	0	100	1000	3.28	39.37	1.093
1 Foot	0.304	30.48	304.8	0	12	0.333

Abbreviations		
Gram = Gm	Kilogram = Kg	Kilometer = KM
Pound = lbf	KiloNewton = KN	Centimeter = Cm
Newton = N	Tonne = Ton	Decimeter = Dm

VIRAJ SynTex

Narrow Fabrics | Braids | Ropes

- Para-Aramid Webbing & Tapes
- Nylon Webbing & Tubular Tapes
- Cotton Webbing & Tapes
- Nylon Braided Cords

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For critical use : Class 1 Shuttle Loom & Class 1a Needle Loom

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