



# Tex & Twist

## Manufacturers of Technical Yarns & Fabrics

Tex & Twist was incorporated in the year 1994, to cater to the growing demands of the textile raw material for the spinning industries within India. In the early 2000's the company saw an opportunity in technical textiles and the company changed its focus in the field of performance fibres such as Aramids and Carbon.

Tex & Twist boasts of its own spinning and weaving facilities within India for the manufacture of various technical yarns and fabrics.

For over a decade we have been supplying high-quality products to the different industries within India viz. PPE, Safety Wear, Industrial Packing, Belting, Optical Fibre Cable etc.

Over the years we have built a reputation of fairness and quality control for all products manufactured in our premise.

RAW MATERIALS	YARNS	TECHNICAL FABRICS
<ul style="list-style-type: none"><li>• VISCOSE</li></ul>	<ul style="list-style-type: none"><li>• NYLON FILAMENT</li></ul>	<ul style="list-style-type: none"><li>• PARA ARAMID</li></ul>
<ul style="list-style-type: none"><li>• ACRYLIC</li></ul>	<ul style="list-style-type: none"><li>• NYLON BCF</li></ul>	<ul style="list-style-type: none"><li>• META ARAMID</li></ul>
<ul style="list-style-type: none"><li>• POLYESTER</li></ul>	<ul style="list-style-type: none"><li>• GLASS YARN</li></ul>	<ul style="list-style-type: none"><li>• GLASS HI-TEMP</li></ul>
<ul style="list-style-type: none"><li>• POLY PROPYLENE</li></ul>	<ul style="list-style-type: none"><li>• PARA ARAMID</li></ul>	<ul style="list-style-type: none"><li>• ALUMINIZED</li></ul>
<ul style="list-style-type: none"><li>• RAW WOOL</li></ul>	<ul style="list-style-type: none"><li>• META ARAMID</li></ul>	
<ul style="list-style-type: none"><li>• PRE-OX</li></ul>	<ul style="list-style-type: none"><li>• COATED YARNS</li></ul>	
<ul style="list-style-type: none"><li>• PARA ARAMID</li></ul>		
<ul style="list-style-type: none"><li>• META ARAMID</li></ul>		



## RAW MATERIALS

### VISCOSE

- Staple fibre in Ecrú & Dyed
- Sortable color transition
- Multicolor transition
- Dtex: 0.9 to 17
- Cut length: 38 to 150 mm
- Ecrú: Semi dull & Bright
- Advantages
  - ..good degree of whiteness
  - ..high absorbtion
  - ..solid handle
  - ..perfect fleecing
  - ..minimal shedding

### PRE-OX

- Produced by the oxidation of polyacrylonite (PAN)
- High LOI (Limited Oxygen Index) hence ideal for heat insulation
- Crimped cut-fibre
- Denier: 2
- Cut length: 50 to 80 mm
- Advantages
  - ..suitable for spinning
  - ..suitable for non woven application in blends

### ACRYLIC

- Homo Polymer Acrylic Fibre / Tow
- High strength fibres for technical applications
- Higher modulus and tenacity for better temperature stability and chemical resistance
- Dtex: 1.3 to 4.5
- Cut length: 30 to 60 mm
- Advantages
  - ..extensively used in non-woven filter media
  - ..excellent chemical resistance for upto 125 C
  - ..fibre blends for enhanced performance
  - ..excellent hydrolysis resistance
  - ..fibres do not melt

### ARAMID

- Para and Meta Aramid
- 100% commercially pure
- Pulp / Fibre / Tops
- Heat and corrosion resistant
- Effective substitute to asbestos and copper
- Advantages
  - ..suitable for sealing solutions
  - ..suitable for friction products

### POLYPROPYLENE

- Economical material offering a combination of physical / chemical / mechanical / thermal and electrical properties
- PP fibre
- Dtex: 6 - 15 s
- Cut length: 60 - 150 mm
- Colored
- Transition
- Advantages
  - ..tough, heat-resistant material ideal for transfer of liquids
  - ..recommended for vacuum systems for higher heat resistance
  - ..excellent resistance to acids and alkalies



## INDUSTRIES

- Spinning
- Non Woven
- Sealant Industry
- Friction Industry

# YARNS

## NYLON FILAMENT YARN

- Polyamide 6 filament yarn
- PA 6, monofilament yarns
  - ..17dtex semidull, round
  - ..17dtex bright, trilobal
  - ..22dtex semidull, round
  - ..22dtex bright, trilobal
- PA 6, FDY, multifilament yarns
  - ..36dtex f 9 semidull, round
  - ..40dtex f 9 semidull, round
  - ..44dtex f 9 semidull, round
  - ..48dtex f 9 semidull, round
  - ..67dtex f 12, semidull round
  - ..67dtex f 18, semidull round
  - ..78dtex f 10, semidull round
  - ..78dtex f 18, semidull round
- PA 6, POY for texturisation
  - ..20dtex f 6, (24 dtex)
  - ..33dtex f 10, (39 dtex)
  - ..44dtex f 12, (56 dtex)
  - ..78dtex f 24, (100 dtex)

## NYLON BCF YARNS

- Nylon 6 BCF texturized yarn, linear density dtex 1000 to 1800
- Nylon 6 BCF twisted heat set yarn, structure dtex (1000 to 1300) X 2
- Nylon 6 BCF twisted heat set frize yarn, structure dtex (1000 to 1300) X 2
- Advantages
  - ..carpet flooring made with this yarn is highly wear-resistant, antistatic and easy to clean
  - ..used for production of tufting in floor covering
  - ..upholstery materials
  - ..available in Ecru and colors

## GLASS YARN

- Yarns for temperatures 500°C to 1000°C

## ARAMID YARN

- Commercially 100% pure aramid
- Para Aramid / Meta Aramid Spun Yarns
- Made from post industrialisation fibers for non-critical uses
- Product range from 4/1 Nm to 14/1 Nm
- Multifold yarns in all counts available
- Finer counts can be produced on request

## PREOX + ARAMID YARN

- PreOx + Aramid Spun Yarn
- 70:30 combination
- Better heat resistance
- Product range from 4/1 Nm to 14/1 Nm
- Multifold yarns in all counts available

## VALUE ADDED FILAMENT YARNS

- Coatings on continuous filament yarns, FRP and extruded products
- Properties:
  - ..Water Blocking / Anti-Wick / Abrasion Resistance / Adhesion / Color / UV Protection / Lubricity
- Yarns:
  - ..Aramid
  - ..Polyester
  - ..Carbon
  - ..HMPE
  - ..Fiberglass
- Advantages
  - ..because coating is applied at individual filament level, it increases the life of the yarn by reducing internal yarn-on-yarn abrasion
  - ..improves break strength by improving load-sharing
  - ..long-lasting coatings
  - ..prevents ingress of particles that cause internal abrasion



## INDUSTRIES

- Texturisation
- Safety wear
- Fabric manufacturing for PPE
  - Industrial Gland Packing
  - Ropes & Twines
  - Optical Fiber Cables

## TECHNICAL FABRICS

### ARAMID FABRIC

- Para Aramid Fabric made from spun yarn
- Commercially 100% pure
- Available in the following ranges

DESCRIPTION	GSM	WEAVE	WIDTH (cms)
Para Aramid Fabric	240 - 360	Plain / Twill / Herringbone	150
Para Aramid Fabric	480 - 650	Twill	150
Para Aramid Blend Fabric	480	Twill	150
Para Aramid Fabric	700	Panama	150
Para Aramid Fabric with one side cotton raised	650	Twill	150
Para Aramid Anti-Fraying	450 - 700	Twill/ Panama	150

- Meta Aramid Fabric made from spun yarn
- Available in the following ranges

DESCRIPTION	GSM	WEAVE	WIDTH (cms)
Meta Aramid Fabric	240 - 480	Plain / Twill	150

### ALUMINIZED FABRIC

- Para Aramid one side aluminized
- PreOx and Aramid one side aluminized
- Available in the following ranges

DESCRIPTION	GSM	WEAVE	WIDTH (cms)
Para Aramid one side aluminized	360 - 600	Herringbone	100 - 150
Pre Ox + Aramid one side aluminized	260 - 700	Twill	100 - 150

### GLASS FIBRE FABRIC

- Thickness 0.5mm to 1.5mm
- Weaving pattern plain / satin / twill
- Coatings available

#### PTFE

..available thickness 3 mil to 30 mil

#### SILICONE

..single / double sided coated fabric

..560gsm / 0.4mm

#### ALUMINIZED

..aluminium foil with neoprene binder

..520gsm / 0.4mm



## INDUSTRIES

- Personal Protective Equipment (Apparel)
- Industrial Gloves manufacturing
- Insulation

Address:  
13, CANTONMENTS  
Amritsar, Punjab  
INDIA

Contact:  
Phone: +91 183 645 0453  
Fax: +91 183 221 0238

Enquiries:  
twist@vsnl.com

Head Office:  
Mr. RAJIV SAJDEH +91.98153 59955  
rajiv.sajdeh@texttwist.com

Mumbai Office:  
Mr. KAPIL KHANNA +91.98191 60666  
kapil.khanna@texttwist.com

New Delhi Office:  
Mr. GAURAV SETH +91.99100 16048  
gaurav.seth@texttwist.com

[www.texttwist.com](http://www.texttwist.com)