



**MAHARSHREE GEOMEMBRANE
(INDIA) PVT. LTD.**

AN ISO 9001:2008 COMPANY

Polypropylene Multifilament Yarn

Company Profile

Maharshee Geomembrane is the first Indian Geomembrane manufacturer in multilayer film extrusion with highest output. The company also supplies and installs Geotextile (Woven and Non-woven) Geogrid, Gabion boxes, Geosynthetics Clay Liner, Geonet and Green House Film.

The company is the manufacturer of 100% HDPE/LDPE and LLDPE film which is thicker and has better mechanical properties.



Product

We are manufacturers of high tenacity Polypropylene Multifilament Yarn for industrial and consumer uses.

Our range of multifilament FDY yarns are available in 300 denier to 3500 denier and in various colors. We produce both flat and twisted yarn with a twist range of 50 TPM up to 720 TPM in both S and Z direction.

Unmatched quality Polypropylene Multifilament yarn is supplied to our clients at the most competitive price. We use best raw material to meet the requirements of various applications.

Apart from our standard range of products, we are also able to offer customized range of products, due to our versatile manufacturing facility and modern technology manufacturing process.

Our latest-high technology machinery and manufacturing techniques helps us in fulfilling our customer's requirements.

Features

Odour Free: Apparels and under garments whether woven or knitted in our PP multifilament yarn are odour free.

High Strength: Whether in wet or dry conditions, only strength of Nylon yarn is comparable to our PP Multifilament Yarn.

Unique Soil & Stain Resistance: Our yarn are highly resistant to soiling due mainly to its resistance to static, and chemical inertness. It does not attract as much dirt or dust as other man-made fibers.

Bulk without weight: Has lowest specific gravity among all fibers – whether man-made or natural., thus giving more fabric per Kg. of yarn or more bulk at the same weight.

Good resistance to abrasion: High abrasion resistance is of utmost importance not only for industrial applications, but also for furnishing and clothing fabrics to obtain longer life. Our PP

Multifilament yarns have superior abrasion resistance in wet as well as in dry conditions, hence durable.

Resistance to Sunlight: Spun dyed and U.V. stabilised yarn offers remarkable resistance to sunlight fading and degradation.

Dimensional Stability: Knitted or woven fabrics in PP multifilament yarn keeps its dimension during use and during washing and therefore retains its shape longer.

Stain Removal & Cleaning: One of the advantages of our yarn is the ability to release stains. This makes the removal of most spots and stains, a simple matter.

Resistance to Damage by Rot, Mildew & Insects: PP Multifilament yarn neither supports the growth of rot, mildew and insects nor it is affected by them.

Our quality products are having following features:

Denier Range: 300 – 3500

Tenacity (Strength): 3.5- 8 gpd

Twist: 50- 720 TPM

Specific Gravity: The specific gravity of PP multifilament yarn is 0.91, which is lower than Nylon or Polyester. So under the same weight conditions, one gets more length of PP MF yarns compared to Nylon or Polyester

Color Fastness: Through dope dyed process, we can offer you bright and attractive colors with U.V. stabilized

Cleanliness: PPMF Yarns has low moistening characteristics. So it is very easy to clean

Chemical Resistance: In normal temperature, it gives excellent resistance to Alkali and Acids



- Easily Stitchable
- Highly Durable
- Competitive Price
- Dope Dying For Various Colors
- Water Resistance
- Recyclisation
- High Stiffness
- High Impact Stress
- UV Stability
- Stretchable
- Abrasion Resistant
- Customer Satisfaction

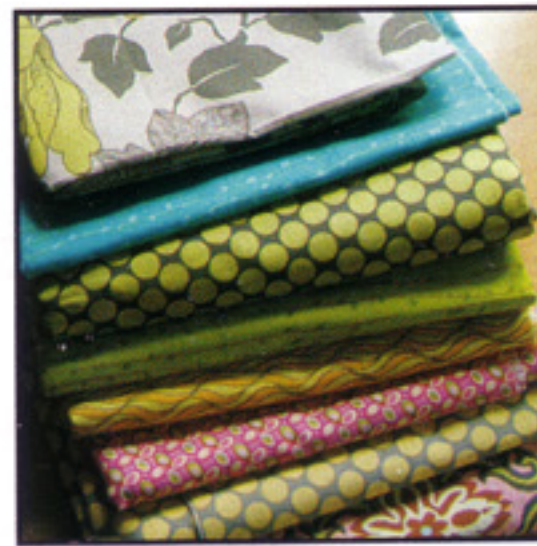
Application

Furnishing Sector – Our yarns are available in single or multi colours. Unique in appearance and texture, its advantages over other synthetic and natural fibers translate into a greater profit potential to weaving sector. PP multifilament yarn are strongly recommended for following applications:

- Upholestry fabrics
- Automobile furnishings
- Pile & Decorative Velvets
- Wall Coverings, etc..
- Curtains
- Bed covers
- Carpets

Industrial Sector – Our yarns of normal and high tenacity are excellent material for industrial end uses because of its resistance to abrasion, chemicals, etc... and high tenacity in wet and dry conditions. Our yarn for industrial purpose are more durable and are recommended to be used for the following Products:

- Filter Fabrics
- Fishnets
- Tarpaulins
- Belting Ropes and Cords
- Sewing threads
- Geo Textiles
- Rubber Liner Fabrics
- Tents
- Garden Umbrellas
- Battery Separator Fabric
- Fire Hoses



Few More

- Weaving and Tape
- Tarpaulins
- HDPE & PP woven Sack mouth and bottom closing Sewing Thread for FIBC (Fully integrated Bulk Container)
- Shoe Stitching / Shoe Lace
- PVC Hose Pipe Reinforcement
- High tenacity slings
- Doll's hair
- Crocheted Handicraft
- Making of belts - Trouser belts, safety belts, designer belts, etc...
- Bags - School bag, Traveling bags, outdoor bags, promotional bags, tool bags, etc...
- Webbing (Narrow Woven Fabrics) - PP multifilament yarn yarn that are categorized as webbings, yarn, and home accessories
- Identity Cards/ Name Tags
- Hair bands / Wrist Band / Rakhi
- Garments Hosiery Products
- Sofa set belts
- Braided Cords
- Sports Net
- Ropes

Physical Properties

Properties	Tenacity gpd.	Modulus of Elasticity	Sp. Gr.	Yarn Wt. ratio for same cover Factor	Resiliency %	Relative Thermal Conductivity Air = 1	Strong Acids	Resistance to Strong Alkalies	Months/ Insects
PP Multifilament Yarn	4.8 - 8.0	1.8	0.91	1.00	280	6.0	Excellent	Excellent	Excellent
Nylon	4.7 - 9.0	1.25	1.14	1.23	265	7.0	Poor	Good	Excellent
Polyester	4.4 - 8.0	1.2	1.38	1.52	225	7.0	Poor	Poor	Excellent
Acrylic	2.5 - 8.0	0.54	1.17	1.30	280	8.0	Poor	Good	Excellent
Rayon	2.5 - 3.1	0.80	1.52	1.67	40	11.00	Dissolves	Dissolves	Average
Wool	1.0 - 1.7	0.40	1.32	1.45	282	7.30	Good	Poor	Poor
Cotton	2.5 - 4.0	1.2	1.54	1.69	30 - 85	17.50	Poor	Average	Average

Production Range

Denier	Colour	Tenacity	Application	Box Packing
300	R/WT/BLK Colour	Normal Tenacity	Webbing Narrow Tape, Elastic Band, String, Upholstery, Carpet	5 Kgs / Tube Net 30 Kgs / Carton 9600 Kgs / 20 FT 19590 Kgs / 40 FT 21900 Kgs / 40 FT (HQ)
400				
3500				
600				
840				
900				
1200				
600	R/WT/BLK Colour	High Tenacity (R/WHT : Over 8.0 GPD) (Colour : 6.5 GPD)	Geotextile Sewing Thread Filter Fabrics Soft Luggage Rope, Safety Net Container Bag Sling Belt	5 Kgs / Tube Net 30 Kgs / Carton 9600 Kgs / 20 FT 19590 Kgs / 40 FT 21900 Kgs / 40 FT (HQ)
840D / 90F, 148F				
900D / 90F, 148F				
1200D / 90F, 200F				
1600D / 200F				
2400D / 400F				
3000D / 400F				



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