



Manufacture & Exporter HDPE Ropes / Twines Ropes / Recycled Ropes



SAMRIDHI TECHNOPLAST



HDPE Twines & Ropes

HDPE ropes are made of complete virgin High-Density Poly-Ethylene granules. Excellent tensile strength and flexibility make them widely demanded across the globe. We have 3-strand, 4-strand, "S"-twister and "S & Z"-twister in varieties. They are also afloat and highly durable, hence, of high utility for industrial, fishing and marine markets.

Features

- Flexible
- UV Protected
- Light weight (Floatable)
- Minimal elongation
- Shock absorption
- Torque free
- No water absorption

Characteristics

- Construction : 3 / 4 strand
- S-twister,
- Z-twister,
- S&Z -twister
- Specific Gravity : 0.95
- **Certification** : **ISI**
- Elongation : 22% at break
- Water absorption: ~0%
- Melting point : 168 C

Customization available in

- **Color Size**
- **Coil**
- **lengths**



Specifications (Size - Weight Chart)

Diameter			Circumference		Weight / Coil (220mtr)	Meters /Kg.	Breaking strength (kgf)
mm	Inch		mm	Inch			
2	0.083	1/12 "	6.28	1/4 "	0.4	550	-
4	0.157	5/32 "	12.56	1/2 "	1.63	135	220
6	0.236	4 "	18.84	3/4 "	3.67	60	620
8	0.315	5/16 "	25.12	1 "	6.6	33.3	1060
10	0.394	3/8 "	31.4	1 1/4 "	10	22	1560
12	0.472	1/2 "	37.68	1 1/2 "	14.5	15.2	2210
14	0.551	9/16 "	43.96	1 3/4 "	20	11	3050
16	0.63	5/8 "	50.24	2 "	25.5	8.6	3770
18	0.709	3/4 "	56.52	2 1/4 "	32.5	6.8	4810
20	0.787	13/16 "	62.8	2 1/2 "	40	5.5	5800
22	0.866	7/8 "	69.08	2 3/4 "	48.5	4.5	6960
24	0.945	1 "	75.36	3 "	57	3.9	8130
28	1.102	1 1/8 "	87.92	3 1/2 "	78	2.8	11700
30	1.181	1 1/4 "	94.2	3 3/4 "	89	2.4	12200
32	1.26	1 5/16 "	100.48	4 "	101	2.2	13500
36	1.438	1 7/16 "	113.04	4 1/2 "	129	1.71	16930
40	1.625	1 5/8 "	125.6	5 "	158	1.39	20500

Tolerance : +/- 5%





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PP MULTIFILAMENT ROPE AND PP YARN

FEATURES

- High Tenacity up to 7.5 GPD
- Wide range of denier from 600 to 4800
- UV Protected
- Water Resistance
- High Thermal Stability
- Cleanliness
- Can be Recycled
- Can Replace Nylon or Polyester
- Low Moisture Absorption
- 50 to 300 TPM (twists per meter)
- We can provide final winding on paper tube.

APPLICATION

- Sewing Thread in woven sacks / Bag
- Ropes
- Safety Belt
- For manufacturing Narrow-Woven Fabric
- Braided Cords
- PP Slings
- Fishing Nets
- Geo-textile Fabric
- Filler Fabric
- Elastic Band
- Stitching & webbing of FIBC BAG

 *High Tenacity PPMF (Polypropylene Multifilament Yarn) From 600 Denier to 4800 Denier*
 *Samridhi Petrochem Industries is a ISO 9001:2015 Certified Company*



3 Strand Ropes Specification

PP Multi filament (3 Ply) Twisted Ropes

SIZE	Weight Kg./100 mtr.	Runnage in Mtr./1 Kg.	Breaking Strength Kgf
2 mm	0.130	740.00	70
3 mm	0.310	320.00	132
4 mm	0.820	125.00	280
5 mm	1.100	90.00	520
6 mm	1.300	31.00	1190
8 mm	3.100	31.00	1190
10 mm	4.600	22.00	1650
12 mm	7.000	14.50	2530
14 mm	9.500	10.50	3460
16 mm	11.750	8.50	4530
18 mm	16.500	6.00	5610



Poly-Propylene (PP) Rope

Danline

Fibrillated

PP Danline & Fibrillated ropes are made from extruded yarn of Poly-propylene of high quality. Fibrillated yarn is made using discontinuous, longitudinal cuts in flat PP yarn which is achieved by running the flat tapes over a roller or drum with a configuration of sharp pins; while Danline yarn is produced using traditional methods. A wide range of sizes are available using 3-strand or 4-strand. Both the types provide high strength, higher abrasion resistance and heavy-duty applications.

Features

- Higher breaking strength
- UV stabilized
- Light weight (Floatable)
- Inert to chemicals
- Minimal elongation
- Excellent shape retention
- Torque free
- No water absorption

Characteristics

- Construction : 3 / 4 strand
- Specific Gravity : 0.92
- **Certification** : **ISI**
- Elongation : 23% at break
- Water absorption: 0%
- Melting point : 170 C

Customization available in

- **Color Size**
- **Coil**
- **lengths**

