

# EXPOCOR

EXPOCOR PRIVATE LIMITED



MANUFACTURER,  
SUPPLIER & EXPORTER OF

# ROPES

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## ABOUT US

# EXPOCOR



At EXPOCOR, we take pride in being a premier exporter and trader specializing in Polypropylene (PP) and High-Density Polyethylene (HDPE) ropes. The range of our products includes PP Danline Ropes, PP fibrillated Ropes, PP multifilament Rope, HDPE Monofilament Fabric, HDPE Monofilament Yarn, HDPE Monofilament Ropes, Baler Twine, Horticulture Twine, PP bags and Reprocessed Ropes etc. We are associated with renowned manufacturers holding more than 40 years of manufacturing and industrial experience. With a relentless commitment to quality, reliability, and customer satisfaction, we have established ourselves as a trusted partner in the global market.

**Marine & Shipping | Fishing & Aquaculture | Agriculture & Horticulture | Sports & Recreation  
Industrial & Safety | Commercial & Retail**

## WHY US?

What sets us apart is our unwavering dedication to excellence at every step of the process. From sourcing raw materials from reputable suppliers to employing state-of-the-art manufacturing techniques, we ensure that each product meets the highest standards of durability, strength, and performance. We have our own in house Product Testing Lab to ensure all the standard norms.

But our commitment goes beyond just delivering exceptional products. We believe in fostering long-term relationships built on trust, integrity, and mutual respect. Our team of professionals is committed to understanding your unique requirements and providing personalized solutions to help you achieve your goals.



# POLY-PROPYLENE (PP) ROPE

# EXPOCOR



Polypropylene is a light-weight and strong general-purpose rope. It is rot proof and unaffected by water, oil, gasoline, and most chemicals. Polypropylene floats, yet it is twice as strong as manila. Our regular monofilament PP rope is made with a medium lay which allows easy splicing.

Polypropylene (PP) is a polymer having a propylene monomer as a structural material. These ropes are divided into categories like PP Danline ropes and PP Monofilament /Multifilament ropes & Fibrillated ropes. These are based on the process and the type of PP yarn that is being manufactured.

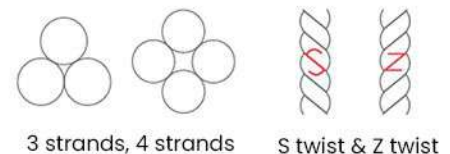
## Application

- Safety Float, Anchor Lines for Small Craft
- Mooring & Barge Lines
- Domestic Application
- Building Industries
- General Purpose
- Ship Docking
- Agricultural

## Features

- UV Stabilized (withstand extreme climatic conditions)
- High Resistant to acids and alkalis
- High Strength & lower weight
- Rot proof
- Better grip
- Optimum Finish

## Rope Construction



## Colours



## Technical Specification

<b>Structural Material</b>	Propylene Monomer	<b>Coil Length</b>	<ul style="list-style-type: none"><li>• 110 meters &amp; 220 meters standard coils</li><li>• Customized length as per buyer requirements</li></ul>
<b>Yarn type</b>	Monofilament, Fibrillated and Danline	<b>Tolerance</b>	<ul style="list-style-type: none"><li>• Up to 3.5mm= +/- 15%</li><li>• 4mm to 9mm= +/- 10%</li><li>• 10mm to 14mm= +/- 8%</li><li>• 15mm to 32mm= +/- 5%</li></ul>
<b>Elongation</b>	20% ±2 at breaking point	<b>Hydro Property</b>	<ul style="list-style-type: none"><li>• Floats in Water</li><li>• Water Absorption: none</li></ul>
<b>Category</b>	Synthetic Fiber (Polymers)		
<b>Size</b>	2mm to 36 mm diameter		
<b>Shock Resistance</b>	Excellent		
<b>Standard</b>	ISI and non-ISI		
<b>Melting Point</b>	165°C		
<b>Chemical Properties</b>	<ul style="list-style-type: none"><li>• Acids Resistant : Very Good</li><li>• Alkalis Resistant: Excellent</li><li>• Oil/Gas Resistant: Very Good</li></ul>		

# SIZE WEIGHT CHART

# EXPOCOR

Diameter			Circumference		Weight / Coil (220mtr)	Meters / Kg.	Breaking strength (kgf)
MM	Inch		MM	Inch			
2	0.083	1/12"	6.28	1/4"	0.40	550.00	-
4	0.157	5/32"	12.56	1/2"	1.63	135.00	220
6	0.236	4"	18.84	3/4"	3.67	60.00	620
8	0.315	5/16"	25.12	1"	6.60	33.30	1060
10	0.394	3/8"	31.4	1 1/4"	10.00	22.00	1560
12	0.472	1/2"	37.68	1 1/2"	14.50	15.20	2210
14	0.551	9/16"	43.96	1 3/4"	20.00	11.00	3050
16	0.630	5/8"	50.24	2"	25.50	8.60	3770
18	0.709	3/4"	56.52	2 1/4"	32.50	6.80	4810
20	0.787	13/16"	62.8	2 1/2"	40.00	5.50	5800
22	0.866	7/8"	69.08	2 3/4"	48.50	4.50	6960
24	0.945	1"	75.36	3"	57.00	3.90	8130
28	1.102	1 1/8"	87.92	3 1/2"	78.00	2.80	11700
30	1.181	1 1/4"	94.2	3 3/4"	89.00	2.40	12200
32	1.260	15/16"	100.48	4"	101.00	2.20	13500
36	1.438	17/16"	113.04	4 1/2"	129	1.71	16930
40	1.625	15/8"	125.6	5"	158	1.39	20500

# HDPE MONOFILAMENT ROPE

# EXPOCOR



High Density Polyethylene (HDPE) is a kind of polymer having wide range of application in today's market. This Long lasting, Abrasion Resistant material has made itself the core of rope industries. HDPE ropes are made up of strings of Ethylene molecules which is a kind of monomer that combines and forms Polyethylene.

High Density Polyethylene (HDPE) ropes are highly durable and super lightweight. Ropes with our brand name "Expocor" fulfills all the technical standards and specifications according to our customer's need.

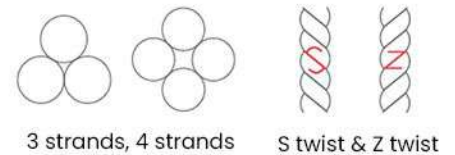
## Application

- Industrial Usage (lifting & binding)
- Barrier formation
- Domestic usage
- Construction
- Packaging
- Seafaring
- Rigging

## Features

- Excellent Shape Retention
- High Abrasion Resistance
- No slippage
- Durable & Light Weight
- Torque Free
- Uniform rigid structure
- Better Heat Transfer

## Rope Construction



## Colours



## Technical Specification

<b>Material</b>	High Density Polyethylene (HDPE)
<b>Structural Material</b>	Ethylene Monomer
<b>Elongation</b>	20% ±2 at breaking point
<b>Category</b>	Synthetic Fiber (Polymers)
<b>Size</b>	2mm to 36 mm diameter
<b>Shock Resistance</b>	Excellent
<b>Standard</b>	ISI and non-ISI
<b>Yarn type</b>	Monofilament
<b>Melting Point</b>	170 °C
<b>Hydro Property</b>	<ul style="list-style-type: none"><li>• Acids Resistant: Very Good</li><li>• Alkalis Resistant: Excellent</li><li>• Oil/ Gas Resistant : Very Good</li></ul>

<b>Coil Length</b>	<ul style="list-style-type: none"><li>• 110 meters &amp; 220 meters standard coils</li><li>• Customized length as per buyer requirements</li></ul>
<b>Tolerance</b>	<ul style="list-style-type: none"><li>• Up to 3.5mm= +/- 15%</li><li>• 4mm to 9mm= +/- 10%</li><li>• 10mm to 14mm= +/- 8%</li><li>• 15mm to 32mm= +/- 5%</li></ul>
<b>Hydro Property</b>	<ul style="list-style-type: none"><li>• Floats in Water</li><li>• Water Absorption: none</li></ul>

# 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"	0.40	550.00	-
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Discover our range of Recycled Materials Ropes, the perfect blend of sustainability and functionality. Crafted from reclaimed sources such as recycled plastic, natural fibers, and repurposed synthetics, these eco-friendly ropes showcase our commitment to reducing environmental impact. Designed to offer strength, durability, and versatility, our Recycled Materials Ropes are ideal for various applications, from outdoor adventures to everyday tasks.

Commercial Ropes are made from completely Reprocessed Plastic Waste like plastic lumps. A dedicated Reprocessing Plant has been set up for recycling industrial plastic waste.

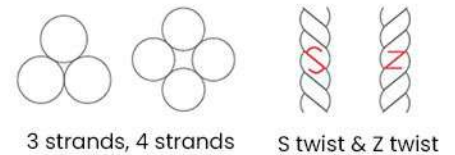
## Application

- Industrial Purpose (lifting & binding)
- Tent fixing, Tarpaulin, etc.
- House-hold usage
- Barrier making
- Agriculture
- Packaging
- Rigging

## Features

- Does not shrink or harden
- Minimum Elongation
- Excellent Shape Retention
- High Abrasion Resistance
- No slippage
- Torque Free
- Uniform rigid structure

## Rope Construction



## Colours

**Customized as per buyer's requirement.**

## Technical Specification

<b>Elongation</b>	20-23% at breaking point
<b>Category</b>	Synthetic Fiber (Polymers)
<b>Structural Material</b>	Hydrocarbons
<b>Shock Resistance</b>	Excellent
<b>Material</b>	Processed plastic waste
<b>Melting Point</b>	165°C
<b>Chemical Properties</b>	<ul style="list-style-type: none"> <li>• Acids Resistant: Very Good</li> <li>• Alkalis Resistant: Excellent</li> <li>• Oil/ Gas Resistant: Very Good</li> </ul>
<b>Coil Length</b>	<ul style="list-style-type: none"> <li>• 110 meters &amp; 220 meters standard coils</li> <li>• Customized length as per buyer requirements</li> </ul>
<b>Rope Size</b>	2mm to 32mm



# SPECIFICATION OF ROPES



Size in MM	Weight Per Meter in KG	Weight in kg/coil Yards 30 Meter 27.43	40 36.57	45 41.48	50 45.72	55 50.29	60 54.86	65 54.86	70 64	100 91.44	200 182.88
4	0.007	0.192	0.256	0.290	0.320	0.352	0.384	0.416	0.448	0.640	1.280
6	0.017	0.466	0.622	0.705	0.777	0.855	0.933	1.010	1.088	1.554	3.109
8	0.030	0.822	1.097	1.244	1.372	1.509	1.646	1.783	1.920	2.743	5.486
10	0.046	1.261	1.682	1.908	2.103	2.313	2.524	2.734	2.944	4.206	8.412
12	0.066	1.810	2.414	2.738	3.018	3.319	3.621	3.922	4.224	6.035	12.070
14	0.090	2.468	3.291	3.733	4.115	4.526	4.937	5.349	5.760	8.230	16.459
16	0.116	3.181	4.242	4.812	5.304	5.834	6.364	6.894	7.424	10.607	21.214
18	0.148	4.059	5.412	6.139	6.767	7.443	8.119	8.796	9.472	13.533	27.066
20	0.182	4.992	6.656	7.549	8.321	9.153	9.985	10.816	11.648	16.642	33.284
22	0.221	6.062	8.082	9.167	10.104	11.114	12.124	13.134	14.144	20.208	40.416
24	0.259	7.104	9.472	10.743	11.841	13.025	14.209	15.392	16.576	23.683	47.366
26	0.307	8.421	11.227	12.734	14.036	15.439	16.842	18.245	19.648	28.072	56.144
28	0.355	9.737	12.982	14.725	16.231	17.853	19.475	21.098	22.720	32.461	64.922
30	0.405	11.109	14.811	16.799	18.517	20.367	22.218	24.069	25.920	37.033	74.066
32	0.559	15.333	20.443	23.187	25.557	28.112	30.667	33.221	35.776	51.115	102.230

Note: Weight are subject to +/- 5% variation



# PP BALER TWINE

# EXPOCOR



At Expocor, Baler twine is made out of Polypropylene material adhering to the highest industrial standards. These twines are an excellent option for the farmers to bundle and store various farm produce.

Our industry-leading production line adopts the UV stabilization of the twine according to the climatic challenges of the corresponding region of application. Our bespoke Signature Twines are based on various applications and specifications of the baler machine. These twines pass through a strict quality inspection before packaging and dispatch. Our Signature twine guarantees runnage, durability, and practicality.

## Application

- Hay bales & Straw bales binding
- Sugarcane scraps baling
- Horticulture, Gardening
- Corrugated box binding
- Domestic applications
- Scrap paper baling
- Safety knots

## Features

- Constant and Homogeneous quality
- Resistant to rot and mildew
- Higher Breaking Strength
- Knots tightly and easily
- Smooth and Soft
- High Runnage
- UV Stabilized
- Light weight

## Technical Specification

<b>Packaging type</b>	4, 6, 8, 10 and 12 inch coil height
<b>Coil weight</b>	500 grams, 1 kg, 2 kg, 4 kg and 10 kg
<b>Structural Material</b>	Propylene Monomer
<b>Category</b>	Synthetic Fiber (Polymers)
<b>Elongation</b>	20±2% at breaking point
<b>Shock Resistance</b>	Excellent
<b>Standard</b>	ISI and non-ISI
<b>Melting Point</b>	165°C
<b>Denier Range</b>	4000 to 1 Lakh

## Colours





To Guide the structural Growth of certain plants in the most Conducive Way. The Product is used for the plants such as Tomatoes, Bell Pepper, Certain types of Squash, and gourds.

The use of Horticultural Twine brings Productivity, uniformity, and ease to Forming.

## Application

- Hay bales & Straw bales binding
- Sugarcane scraps baling
- Horticulture, Gardening
- Corrugated box binding
- Domestic applications
- Scrap paper baling
- Safety knots

## Features

- High resistance
- Perfect Spool
- Light Weight
- Reliability
- Efficiency
- Softness
- Application

## Technical Specification

<b>Structural Material</b>	PP monomer
<b>Yarn type</b>	Fibrillated PP
<b>Melting Point</b>	Melting Point
<b>Range</b>	700m to 1200m/KG
<b>Colours</b>	As per buyer's requirement.



# EXPOCOR

EXPOCOR PRIVATE LIMITED

## Contact us

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*Thank You!*