

Marlow®

BLUE OCEAN DOCKLINE

MADE FROM 100% RPET YARN

MANUFACTURED FROM 100% WASTE PLASTIC BOTTLES



DIAMETER:

12-16mm

DENSITY:

1.38g/mL

MELT POINT:

260°C

CORE:

12 STRAND rPET CORE

COVER:

24 PLAIT rPET COVER

COLOUR:

BLACK OR SILVER WITH
BLUE FLECK



The **BLUE OCEAN DOCKLINE**, made from 100% recycled plastic bottles is exclusive to Marlow's Mooring Series this year. Made from rPET (recycled polyester yarn) this eco-conscious dockline is available pre-spliced in 12-16mm diameters in lengths from 6m to 12m with a 1m spliced eye with Sailmakers whip at throat and opposite end.

The unique construction offers the same popular attributes as Marlow's regular Dockline, including good abrasion resistance and shock absorption with soft and supple flexibility and zero strength loss or shrinkage.

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH	
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN	
12	1 1/2	99.4	6.67	3610	7940	35.4	3250	7150	31.9	
14	1 3/4	124	8.33	4510	9920	44.3	4060	8930	39.8	
16	2	162	10.8	5860	12900	57.5	5280	11600	51.8	

Packaged in 100% recyclable enviro-friendly FSC uncoated & unbleached cardboard cartons.

For further information about Marlow's BLUE OCEAN initiatives visit www.marlowropes.com



SPUN RPET YARN



COVER BRAIDING



CORE TWISTING

MANUFACTURING rPET YARN FOR BLUE OCEAN ROPE PRODUCTS

- rPET yarn is made from used plastic bottles which have been collected, cleaned, shredded, melted and finally spun into yarn.
- The PET (Polyester) water bottles are collected from Western Europe collection and deposit systems and used for the infeed process.
- The label (Polypropylene) cap (Polyethylene) and remaining moisture is removed during the recycling process, leaving pure rPET material. 75% of the infeed volume will become recycled polyester (rPET) useful for HT-Yarn making.
- The rPET yarn arrives at Marlow on cops ready to start the twisting process for the core and the braiding process for the cover of the rope.

YARN SPECIFICATION FIGURES:

	Silver Yarn	Black Yarn
Linear Density (dtex):	1118	1129
Strength (N):	84.3	78.6
Tenacity (mN/tex):	754	696
Elongation (%):	13.8%	12.8%
EASF 45N (%) (elongation at specific force):	6.6%	7.0%
HAS 180 deg C, 2 min, 5mN/tex: (%) (hot air shrinkage)	5.3%	5.1%

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