



G&B ROPES

DATA SHEET

Mistral Tech 78 – High Performance Double Braid

Mistral Tech 78, built on the AR78 core, is engineered for high-performance sailing and precision control where maximum grip is crucial. Featuring a blend of Technora™ and Polyester with tightly controlled braiding, Mistral Tech 78 delivers low stretch, excellent abrasion resistance, maximum grip, and reliable handling for critical running rigging and control systems.

Key Features

- Filament coated AR78 color matched core
- High heat and abrasion resistance
- Better grip
- High strength-to-weight ratio
- Low elongation for precise control
- Balanced double braid for consistent performance
- Low water absorption
- Can be tapered and spliced



Construction

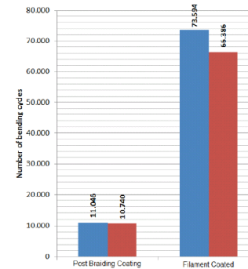
- Braid Type: Double braid / Performance braid
- Core: Filament Coated Dyneema® SK78 (6x Better)
- Cover: Blended Technora™ and High Tenacity Polyester

Typical Applications

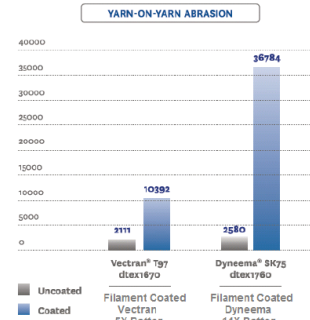
- Halyards and Sheets
- Running rigging for high performance sailing
- High performance racing applications

Diameter (mm)	Weight (lbs/100 ft)	Breaking Load (lbs)
4	0.75	2,189
5	1.29	3,154
6	1.82	4,523
7	2.12	6,097
8	2.61	7,671
9.5	3.97	11,792
11	5.10	13,800
12.5	6.23	15,925

Testing Data for Filament Coated Line



Bend Fatigue Test: Bend cycles of the filament coated line vs. the post-braiding coated line was over 6X better.



Yarn-on-Yarn abrasion Test: Filament coated Dyneema was 14x better than uncoated and 5x better with Vectran.

