



G&B ROPES

DATA SHEET

Mistral 78 – Performance Double Braid

Mistral 78, built on the AR78 core, is designed for high-performance sailing and precise control. With advanced fiber technology and controlled braiding, it offers minimal stretch, strong abrasion resistance, and dependable handling for critical running rigging and control systems.

Key Features

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



Construction

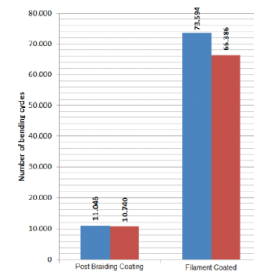
- Braid Type: Double braid / Performance braid
- Core: Filament Coated Dyneema® SK78 (6x Better)
- Cover: 100% High Tenacity Polyester

Typical Applications

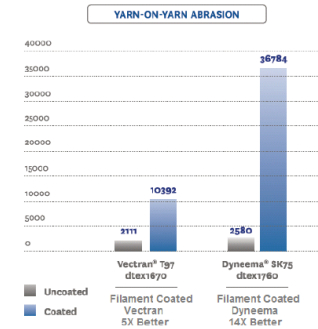
- Halyards and Sheets
- Running rigging for performance sailing
- High-load control lines
- Performance cruising and racing systems

Diameter (mm)	Weight (lbs/100 ft)	Breaking Load (lbs)
4	0.85	2,189
5	1.23	3,154
6	1.62	4,523
7	2.12	6,097
8	2.61	7,671
9.5	3.97	11,792
11	5.10	13,530
12.5	6.23	15,268

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.

