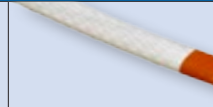
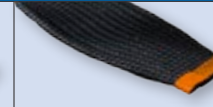


INDUSTRY STANDARD • NON-METALLIC

Bulk tubular expandable braid for wire harness protection

non-metallic braid selection guide



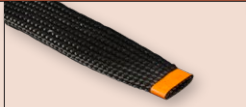
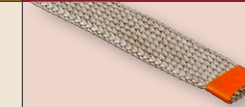
Principal Selection Criteria	General Duty / Abrasion Resistance				
Braid Part Number and Material Construction	 102-060 Monofilament FEP	 102-001 • 102-002 Monofilament PET Type FR	 102-020 thru -023 Monofilament Halar®	 103-013 • 103-080 Yarn, Nomex®	 102-080 Monofilament Ryton Type R-7
Halogen-Free	NO		NO		
Temperature Range	-55°C to +200°C	-55°C to +125°C	-65°C to +150°C	-55°C to +200°C	-65°C to +180°C
Tensile Strength (PSI) Yield	3300	50,000	7000	90,000	19,000
Elongation Percentage	50%	20%	15%	25%	40%
Chemical Resistance	Excellent	Good	Excellent	Excellent	Excellent
Abrasion Resistance	Good	Good	Excellent	Good	Excellent
Weight / Duty (specific gravity)	Heavy (2.17)	Medium (1.38)	Medium (1.68)	Medium (1.58)	Light (1.25)
Flammability	Very Low	Flammable Self-Extinguishing	Very Low	Will Not Melt	Very Low
Page Number	23	33	27	28 / 32	34

* Values are based on .500 Dia. Braid. DuPont™ Nomex® and Kevlar® are trademarks or registered trademarks of E.I. duPont de Nemours and Company.

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Economy		Temperature Tolerance		Fire Resistance	
					
102-073	102-072	102-051	102-040 thru -043, 103-062,103-106	100-022	102-071
Yarn Dacron®	Yarn Nylon	Monofilament PEEK	Yarn Bonded and Unbonded, Nomex®	Yarn PTFE-Glass	Yarn, Kevlar®
				NO	
-62°C to +125°C	-20° to +170°	-65°C to +260°C	-60°C to +240°C	-204°C to +482°C	-73°C to +160°C
10,000	12,400	13,000	90,000	450,000	400,000
12%	20%	38%	25%	5%	3.6%
Good	Excellent	Excellent	Excellent (Unbonded) Outstanding (Bonded)	Excellent	Excellent
Fair	Excellent	Excellent	Good (Unbonded) Excellent (Bonded)	Excellent	Good
Medium (1.38)	Light (1.14)	Light (1.3)	Medium (1.58)	Heavy (2.5)	Medium (1.44)
Flammable	Flammable	Very Low	Will Not Melt , Self-Extinguishing	Will Not Burn	Will Not Melt
26	25	22	30, 31, 29	35	24

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