

Gral XTRU PVDF

Technical Information

A coated polyester braid used for specialized applications that require phenomenal abrasion resistance and excellent chemical resistance. Meant for high demanding applications. Fluoropolymer (PVDF) is most commonly utilized in applications like engine harnesses and will last for 10-years of continuous exposure to 150 C.

Product Guidelines:

Product	Diameter		Tensile Strength		Approx Yield	
	Inches	Mm	Kgs	Pounds	Metres / kg	Yards / lb
1000	0.028	0.71	8.9	20	2,016	1,000

COATS
gral xtru pvdf



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Availability Options:

COLOUR	COATING	CORE
Black	PVC	Polyester
Yellow	Olefin	—
Red	Nylon	—
Blue	TPE	—
Green	PVDF	—
Gold	TPU	—
White	—	—
Orange	—	—

**Able to customize products to your needs, including additional coatings and core offerings (fiberglass, carbon, basalt, liquid crystal polymers (LCP), nylon, aramids, PTFE, UHMWPE, etc.)*

Thermal Properties:

- Has no adverse effects when exposed to typical engine fluids at room temperature or at temperatures elevated to 200°F / 93°C for 30 days of continuous exposure.
- Provides thermal protection from -54°C to 150°C. Will maintain protection for 10 years or more at continuous exposure to 150°C.

Chemical Properties:

Results after 24-hours at 200°F / 93.3°C

- | | |
|---------------------------------|------------------------|
| • UV Rays: | Outstanding resistance |
| • Windshield washer fluid: | Outstanding resistance |
| • Battery acid: | Outstanding resistance |
| • Hydraulic fluid: | Outstanding resistance |
| • Ethylene glycol: | Outstanding resistance |
| • Diesel fuel: | Outstanding resistance |
| • Abrasion resistance: | Outstanding resistance |
| • Chemical resistance: | Outstanding resistance |
| • Heat resistance: | Outstanding resistance |
| • Gasoline: | Outstanding resistance |
| • Motor Oil: | Outstanding resistance |
| • Grease: | Outstanding resistance |
| • Engine Cleaner: | Outstanding resistance |
| • Break fluid: | Outstanding resistance |
| • Automatic transmission fluid: | Outstanding resistance |



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