

# Gral XTRU TPE

## Technical Information

A coated polyester braid yard used for specialized applications that require phenomenal abrasion resistance and excellent chemical resistance. Meant for high demanding applications. Thermoplastic Polyester Elastomer (TPE) is most commonly utilized in applications like internal transmission harnesses.

### Product Guidelines:

Product	Diameter		Tensile Strength		Approx Yield	
	Inches	Mm	Kgs	Pounds	Metres / kg	Yards / lb
1000	0.028	0.71	8.9	20	2,550	1,273

COATS  
*gral xtru tpe*



## 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 -45°C to 138°C.

## Chemical Properties:

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

- |                                 |                        |
|---------------------------------|------------------------|
| • UV Rays:                      | Excellent 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 |



*Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure herself or himself that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided above is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated from time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request.*