

Coretec™ ST-1880

General Description

Typical application: Tubing

Polymer: Thermoplastic polyurethane, aromatic polyether

Packaging: Bulk spools, 100-foot (30.5 m) coils or cut pieces

Key attributes:

- Tough, strong
- Long lasting
- Kink resistant
- Abrasion resistant
- Chemical resistant
- Wide operating temperature range
- Easy processing in assembly operations

Physical Property	Test Method	Value
Inside diameter	N/A	1/16" - 1.0" (1.59 - 25.4 mm)
Outside diameter	N/A	1/8" - 1-1/4" (3.17 - 31.8 mm)
Durometer	ASTM D-2240	Shore 87A
Specific gravity	ASTM D-792	1.20
Modulus @ 100% strain	ASTM D-638	1000 psi (6.90 MPa)
Modulus @ 300% strain		2000 psi (13.79 MPa)
Modulus @ break		7000 psi (48.26 MPa)
Modulus of elasticity up to 10% strain		35 psi (0.24 MPa)
Elongation @ break		450%
Set @ break		35%
Tear strength		D-624 ¹
Max continuous service temperature	N/A	-60°F to 200°F (-51°C to 93°C)
Melt point range	N/A	339°F to 379°F (171°C to 193°C)

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