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**Product Data Sheet &
General Processing Conditions**

**RTP 1501-40D
Polyether-Ester Block Copolymer (TEEE/COPE)
Glass Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	10 %	10 %	
Specific Gravity	1.22	1.22	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0020 - 0.0030 in/in	0.20 - 0.30 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	8.5 ft-lbs/in	454 J/m	D 256
unnotched 1/8 in (3.2 mm) section	10.0 ft-lbs/in	534 J/m	D 4812
Tensile Strength Break	2400 psi	17 MPa	D 638
Tensile Elongation Break	300.0 %	300.0 %	D 638
Tensile Modulus	0.05 x 10 ⁶ psi	345 MPa	D 638
Flexural Strength	1600 psi	11 MPa	D 790
Flexural Modulus	50000 psi	344.7 MPa	D 790
Hardness Shore D, instantaneous	45	45	D 2240

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.
Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	410 - 460 °F	210 - 238 °C
Mold Temperature	70 - 120 °F	21 - 49 °C
Drying	2 - 4 hrs @ 200 °F	2 - 4 hrs @ 93 °C

PROCESSING NOTES

Desiccant Type Dryer Required.