



**Product Data Sheet &
General Processing Conditions**

**RTP 1501-55D
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	1.26	1.26	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0026 - 0.0042 in/in	0.26 - 0.42 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	7.0 ft-lbs/in	374 J/m	D 256
unnotched 1/8 in (3.2 mm) section	18.0 ft-lbs/in	961 J/m	D 4812
Tensile Strength	4700 psi	32 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.16 x 10 ⁶ psi	1103 MPa	D 638
Flexural Strength	4500 psi	31 MPa	D 790
Flexural Modulus	0.12 x 10 ⁶ psi	827 MPa	D 790
Hardness Shore D, instantaneous	61	61	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 - 100 °F	21 - 38 °C
Drying	2 - 4 hrs @ 220 °F	2 - 4 hrs @ 104 °C
Moisture Content	< 0.10 %	< 0.10 %

PROCESSING NOTES

Desiccant Type Dryer Required.