



**Product Data Sheet &  
General Processing Conditions**

**RTP 1503-55D  
Polyether-Ester Block Copolymer (TEEE/COPE)  
Glass Fiber**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Primary Additive	20 %	20 %	
Specific Gravity	1.35	1.35	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0017 - 0.0025 in/in	0.17 - 0.25 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	6.4 ft-lbs/in	342 J/m	D 256
unnotched 1/8 in (3.2 mm) section	20.0 ft-lbs/in	1068 J/m	D 4812
Tensile Strength	6250 psi	43 MPa	D 638
Tensile Elongation	8.8 %	8.8 %	D 638
Tensile Modulus	0.33 x 10 <sup>6</sup> psi	2275 MPa	D 638
Flexural Strength	7250 psi	50 MPa	D 790
Flexural Modulus	0.24 x 10 <sup>6</sup> psi	1655 MPa	D 790
Hardness Shore D, instantaneous	65	65	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**

	<b>English</b>	<b>SI Metric</b>
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.