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**Product Data Sheet &
General Processing Conditions**

**RTP 1207 S-65D
Ester-based Thermoplastic Polyurethane
Elastomer (TPUR/TPU)
Glass Fiber**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	40 %	40 %	
Specific Gravity	1.54	1.54	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0020 in/in	0.20 %	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	30.0 ft-lbs/in	1602 J/m	D 4812
Tensile Strength	12000 psi	83 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.40 x 10 ⁶ psi	2758 MPa	D 638
Flexural Strength	12000 psi	83 MPa	D 790
Flexural Modulus	0.40 x 10 ⁶ psi	2758 MPa	D 790
Hardness			
Shore D, instantaneous	75	75	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	7000 - 12000 psi	48 - 83 MPa
Melt Temperature	380 - 420 °F	193 - 216 °C
Mold Temperature	60 - 90 °F	16 - 32 °C
Drying	6 hrs @ 180 °F	6 hrs @ 82 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-40 °F	-40 °C

PROCESSING NOTES

Desiccant Type Dryer Required.