



**Product Data Sheet &  
General Processing Conditions**

**RTP 1205 T-70A  
Ether-based Thermoplastic Polyurethane  
Elastomer (TPUR/TPU)  
Glass Fiber Reinforced**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.27	1.27	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0010 - 0.0030 in/in	0.10 - 0.30 %	D 955
Water Absorption, 24 hrs @ 23°C	0.400 %	0.400 %	D 570
<b>MECHANICAL</b>			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	4.0 ft-lbs/in	214 J/m	D 256
unnotched 1/8 in (3.2 mm) section	4.0 ft-lbs/in	214 J/m	D 4812
Tensile Strength	1700 psi	12 MPa	D 638
Tensile Elongation	50.0 %	50.0 %	D 638
Tensile Modulus	0.01 x 10 <sup>6</sup> psi	69 MPa	D 638
Flexural Strength	750 psi	5 MPa	D 790
Flexural Modulus	0.02 x 10 <sup>6</sup> psi	138 MPa	D 790
Hardness Shore A, 10 s delay	70	70	D 2240
<b>THERMAL</b>			
Ignition Resistance* Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635

**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.  
 \* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.  
 \*\* Values per RTP Company testing.

**PROCESSING NOTES**

Desiccant Type Dryer Required.