



**Product Data Sheet &
General Processing Conditions**

**RTP 1201 T-70A
Ether-based Thermoplastic Polyurethane
Elastomer (TPUR/TPU)
Glass Fiber Reinforced**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.14	1.14	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
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	2.8 ft-lbs/in	149 J/m	D 256
unnotched 1/8 in (3.2 mm) section	2.8 ft-lbs/in	149 J/m	D 4812
Tensile Strength	2300 psi	16 MPa	D 638
Tensile Elongation	80.0 %	80.0 %	D 638
Tensile Modulus	0.01 x 10 ⁶ psi	69 MPa	D 638
Flexural Strength	500 psi	3 MPa	D 790
Flexural Modulus	0.01 x 10 ⁶ psi	69 MPa	D 790
Hardness Shore A, 10 s delay	70	70	D 2240
THERMAL			
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.