



**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

PERMANENCE	English	SI Metric	ASTM TEST
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

MECHANICAL

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 ⁶ psi	69 MPa	D 638
Flexural Strength	750 psi	5 MPa	D 790
Flexural Modulus	0.02 x 10 ⁶ psi	138 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.