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Ponciplastics.com



**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
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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.