



**Product Data Sheet &
General Processing Conditions**

**RTP 1299 X 112474 A Natural
Thermoplastic Polyurethane Elastomer (TPUR/TPU)
Flame Retardant
Halogen Free
Translucent**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.19	1.19	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0080 - 0.0150 in/in	0.80 - 1.50 %	D 955

MECHANICAL

Tensile Strength Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	4000 psi	28 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	> 500.0 %	> 500.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	1000.0 psi 550.0 pli	6.9 MPa 96.4 N/mm	D 412 D 624
Tear Strength, Die C			
Hardness			
Shore A, 10 s delay	85	85	D 2240
Shore D, instantaneous	35	35	D 2240

THERMAL

Ignition Resistance*			
Flammability**	V-0 @ 1/32 in	V-0 @ 0.8 mm	D 3801

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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	5000 - 15000 psi	34 - 103 MPa
Melt Temperature	320 - 420 °F	160 - 216 °C
Mold Temperature	60 - 140 °F	16 - 60 °C
Drying	6 hrs @ 180 °F	6 hrs @ 82 °C
Moisture Content	0.01 %	0.01 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Desiccant Type Dryer Required.