



**Product Data Sheet &
General Processing Conditions**

**RTP 1199 X 117594 C
Polyethylene Terephthalate (PET)
Glass Fiber
Flame Retardant
Halogen Free**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	30 %	30 %	
Specific Gravity	1.57	1.57	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0020 - 0.0040 in/in	0.20 - 0.40 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.7 ft-lbs/in	93 J/m	D 256
unnotched 1/8 in (3.2 mm) section	5.6 ft-lbs/in	302 J/m	D 4812
Tensile Strength	12500 psi	86 MPa	D 638
Tensile Elongation	0.5 - 1.5 %	0.5 - 1.5 %	D 638
Tensile Modulus	1.93 x 10 ⁶ psi	13307 MPa	D 638
Flexural Strength	17900 psi	123 MPa	D 790
Flexural Modulus	1.73 x 10 ⁶ psi	11928 MPa	D 790

THERMAL

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

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Mold Temperature	275 - 300 °F	135 - 149 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	0.01 %	0.01 %
Dew Point	-40 °F	-40 °C

PROCESSING NOTES

Desiccant Type Dryer Required.