



**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

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.