



**Product Data Sheet &
General Processing Conditions**

RTP 199 X 144487 A
Polypropylene (PP)
Glass Fiber
Flame Retardant
Preliminary Datasheet



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.49	1.49	D 792
Melt Flow Rate			
@ 230 °C, / 2.16 kg	6.00 g/10 min	6.00 g/10 min	D 1238
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0010 - 0.0030 in/in	0.10 - 0.30 %	D 955

MECHANICAL

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	1.7 ft-lbs/in	91 J/m	D 256
unnotched 1/8 in (3.2 mm) section	10.0 ft-lbs/in	534 J/m	D 4812
Tensile Strength	10500 psi	72 MPa	D 638
Tensile Elongation	2.5 - 3.5 %	2.5 - 3.5 %	D 638
Tensile Modulus	1.08 x 10 ⁶ psi	7447 MPa	D 638
Flexural Strength	17000 psi	117 MPa	D 790
Flexural Modulus	1.04 x 10 ⁶ psi	7171 MPa	D 790

THERMAL

Ignition Resistance*			
Flammability	V-0 @ 1/16 in	V-0 @ 1.5 mm	UL94
Flammability	5VA @ 1/8 in	5VA @ 3.0 mm	UL94
Glow Wire Ignitability Temperature	750 °C @ 1/16 in	750 °C @ 1.5 mm	IEC 60695-2-13
Glow Wire Flammability Index	960 °C @ 1/16 in	960 °C @ 1.5 mm	IEC 60695-2-12

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.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	375 - 450 °F	191 - 232 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C