



**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 129987 B
Polypropylene (PP)
Glass Fiber
Chemically Coupled
Flame Retardant
Non PBB/PBDE**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.53	1.53	D 792
Melt Flow Rate @ 230 °C, / 2.16 kg	4.00 g/10 min	4.00 g/10 min	D 1238
Molding Shrinkage 1/8 in (3.2 mm) section	0.0015 - 0.0030 in/in	0.15 - 0.30 %	D 955

MECHANICAL

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.5 ft-lbs/in	80 J/m	D 256
unnotched 1/8 in (3.2 mm) section	8.0 ft-lbs/in	427 J/m	D 4812
Tensile Strength	9500 psi	66 MPa	D 638
Tensile Elongation	2.0 - 4.0 %	2.0 - 4.0 %	D 638
Tensile Modulus	1.07 x 10 ⁶ psi	7378 MPa	D 638
Flexural Strength	16500 psi	114 MPa	D 790
Flexural Modulus	1.05 x 10 ⁶ psi	7240 MPa	D 790

ELECTRICAL

Dielectric Strength, S/T, in oil	633 VPM	24.9 kV/mm	D 149
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THERMAL

Deflection Temperature @ 264 psi (1820 kPa)	300 °F	149 °C	D 648
@ 66 psi (455 kPa)	315 °F	157 °C	D 648
Ignition Resistance*			
Flammability**	V-0 @ 1/16 in	V-0 @ 1.5 mm	D 3801
Flammability**	5VA @ 1/8 in	5VA @ 3.0 mm	D 5048
Thermal Conductivity			
Through-plane	2.22 (BTU.in)/(hr.ft ² .°F)	0.32 W/(m.K)	E 1530
In-plane	4.03 (BTU.in)/(hr.ft ² .°F)	0.58 W/(m.K)	E 1461-92

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	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	375 - 450 °F	191 - 232 °C

Mold Temperature
Drying

90 - 150 °F
2 hrs @ 175 °F

32 - 66 °C
2 hrs @ 79 °C
