




**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 134951 A
Polypropylene (PP)
Mineral
Flame Retardant
Non-PBB/PBDE**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	20 %	20 %	
Specific Gravity	1.35	1.35	D 792
Melt Flow Rate @ 230 °C, / 2.16 kg	10.00 g/10 min	10.00 g/10 min	D 1238
Molding Shrinkage 1/8 in (3.2 mm) section	0.0070 - 0.0100 in/in	0.70 - 1.00 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.2 ft-lbs/in	64 J/m	D 256
unnotched 1/8 in (3.2 mm) section	14.0 ft-lbs/in	747 J/m	D 4812
Tensile Strength	3100 psi	21 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.32 x 10 ⁶ psi	2206 MPa	D 638
Flexural Strength	5200 psi	36 MPa	D 790
Flexural Modulus	0.33 x 10 ⁶ psi	2275 MPa	D 790
THERMAL			
Deflection Temperature @ 264 psi (1820 kPa)	150 °F	66 °C	D 648
@ 66 psi (455 kPa)	250 °F	121 °C	D 648
Ignition Resistance*			
Flammability	V-0 @ 1/16 in	V-0 @ 1.5 mm	UL94
Flammability	5VA @ 1/8 in	5VA @ 3.0 mm	UL94

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