Product Data Sheet &
General Processing Conditions

RTP 199 X 70836 A
Polypropylene (PP)
Long Glass Fiber
Chemically Coupled

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	40 %	40 %	
Specific Gravity	1.20	1.20	D 792
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	4.7 ft-lbs/in	251 J/m	D 256
Tensile Strength	18850 psi	130 MPa	D 638
Tensile Elongation	2.0 - 3.0 %	2.0 - 3.0 %	D 638
Tensile Modulus	1.23 x 10^6 psi	8481 MPa	D 638
Flexural Strength	29000 psi	200 MPa	D 790
Flexural Modulus	1.23 x 10^6 psi	8481 MPa	D 790
ELECTRICAL			
Dielectric Constant, 1 MHz, Dry	2.7	2.7	D 150
Dissipation Factor, 1 MHz, Dry	0.0028	0.0028	D 150
THERMAL			
Deflection Temperature			
@ 264 psi (1820 kPa)	310 °F	154 °C	D 648
Ignition Resistance*			
Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635
Automotive**	≤ 4.0 in/mi @ 0.08 in	≤ 102 mm/mi @ 2.0 mm	FMVSS 302

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	446 - 500 °F	230 - 260 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C