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		STANDARD
Primary Additive	40 %	
Density	1.20 g/cm³	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.30 %	ASTM D 955
MECHANICAL		
Impact Strength, Charpy		
Notched, 4 mm thickness	25 kJ/m²	ISO 179/1eA
Unnotched, 4 mm thickness	63 kJ/m²	ISO 179/1eU
Tensile Strength	130 MPa	ISO 527
Tensile Elongation	2.0 - 3.0 %	ISO 527
Tensile Modulus	8500 MPa	ISO 527
Flexural Strength	200 MPa	ISO 178
Flexural Modulus	8500 MPa	ISO 178
THERMAL		
Heat Deflection Temperature		
@ 1.80 MPa	155 °C	ISO 75
Ignition Resistance*		
Flammability**	HB @ 1.5 mm	ISO 1210
Automotive**	≤ 100 mm/mi @ 2.0 mm	ISO 3795

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

Injection Pressure	69 - 103 MPa
Melt Temperature	230 - 260 °C
Mold Temperature	32 - 66 °C
Drying	2 hrs @ 79 °C