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Product Data Sheet & General Processing Conditions

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

Melting Temperature (10°C/min), ISO 11357-3: 165°C

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	50 %	
Density	1.33 g/cm ³	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.30 %	ASTM D 955
MECHANICAL		
Impact Strength, Charpy		
Notched, 4 mm thickness	23 kJ/m ²	ISO 179/1eA
Unnotched, 4 mm thickness	75 kJ/m ²	ISO 179/1eU
Tensile Strength		
5 mm/min	132 MPa	ISO 527
Tensile Elongation	2.0 - 2.5 %	ISO 527
Tensile Modulus		
5 mm/min	11800 MPa	ISO 527
Flexural Strength	205 MPa	ISO 178
Flexural Modulus	11700 MPa	ISO 178
THERMAL		
Heat Deflection Temperature		
@ 1.80 MPa	156 °C	ISO 75
@ 0.45 MPa	160 °C	ISO 75
Ignition Resistance*		
Flammability**	HB @ 1.5 mm	ISO 1210

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	70 - 105 MPa
Injection Pressure	680 - 1030 bar
Melt Temperature	230 - 260 °C
Mold Temperature	30 - 65 °C
Drying	2 hrs @ 80 °C