

(+) 18816996168

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Product Data Sheet & General Processing Conditions

RTP 199 X 70815 H
Polypropylene (PP)
Long Glass Fiber
Chemically Coupled
Heat Stabilized

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	30 %	
Density	1.12 g/cm ³	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.30 %	ASTM D 955

MECHANICAL

Impact Strength, Izod		
Notched, 4 mm thickness	21 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	57 kJ/m ²	ISO 180/1U
Tensile Strength	100 MPa	ISO 527
Tensile Elongation	2.4 %	ISO 527
Tensile Modulus	6500 MPa	ISO 527
Flexural Strength	150 MPa	ISO 178
Flexural Modulus	5720 MPa	ISO 178

THERMAL

Heat Deflection Temperature		
@ 1.80 MPa	157 °C	ISO 75
Ignition Resistance*		
Flammability**	HB @ 1.5 mm	ISO 1210
Automotive**	≤ 100 mm/mi @ 1.6 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	70 - 105 MPa
Injection Pressure	680 - 1030 bar
Melt Temperature	230 - 260 °C
Mold Temperature	30 - 65 °C
Drying	2 hrs @ 80 °C