



Product Data Sheet & General Processing Conditions

RTP 199 X 136148 A Polypropylene (PP) Glass Fiber Chemically Coupled

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	50 %	
Density	1.34 g/cm ³	ISO 1183
Melt Flow Rate		
@ 230 °C, / 2.16 kg	3.00 - 4.00 g/10 min	ISO 1133
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.30 %	ASTM D 955

MECHANICAL

Impact Strength, Charpy		
Notched, 4 mm thickness	14 kJ/m ²	ISO 179/1eA
Unnotched, 4 mm thickness	55 kJ/m ²	ISO 179/1eU
Tensile Strength	120 MPa	ISO 527
Tensile Elongation	2.0 - 4.0 %	ISO 527
Tensile Modulus	12000 MPa	ISO 527
Flexural Strength	215 MPa	ISO 178
Flexural Modulus	13000 MPa	ISO 178

THERMAL

Heat Deflection Temperature		
@ 1.80 MPa	> 145 °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	190 - 230 °C
Mold Temperature	30 - 65 °C
Drying	2 hrs @ 80 °C

PROCESSING NOTES

9 May 2018 CMP

This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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