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Product Data Sheet & General Processing Conditions

RTP 199 X 139140
Polypropylene (PP)
Talc

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	40 %	
Density	1.24 g/cm ³	ISO 1183
Melt Flow Rate		
@ 230 °C, / 2.16 kg	8.00 g/10 min	ISO 1133
Shrinkage, 4 mm Thickness		
Flow direction	0.70 - 1.10 %	ASTM D 955

MECHANICAL

Impact Strength, Izod		
Notched, 4 mm thickness	3 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	25 kJ/m ²	ISO 180/1U
Tensile Strength	32 MPa	ISO 527
Tensile Elongation	5.0 %	ISO 527
Tensile Modulus	4400 MPa	ISO 527
Flexural Strength	56 MPa	ISO 178
Flexural Modulus	3800 MPa	ISO 178

THERMAL

Heat Deflection Temperature		
@ 1.80 MPa	80 °C	ISO 75

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.

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