



**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 139120
Polypropylene (PP)
Talc
Heat Stabilized**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	20 %	
Density	1.06 g/cm ³	ISO 1183
Melt Flow Rate		
@ 230 °C, / 2.16 kg	7.00 g/10 min	ISO 1133
Shrinkage, 4 mm Thickness		
Flow direction	1.10 - 1.50 %	ASTM D 955

MECHANICAL		
Impact Strength, Izod		
Notched, 4 mm thickness	3 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	35 kJ/m ²	ISO 180/1U
Tensile Strength	35 MPa	ISO 527
Tensile Elongation	> 10.0 %	ISO 527
Tensile Modulus	2500 MPa	ISO 527
Flexural Strength	50 MPa	ISO 178
Flexural Modulus	2700 MPa	ISO 178

THERMAL		
Heat Deflection Temperature		
@ 1.80 MPa	> 60 °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