



**Product Data Sheet &  
General Processing Conditions**

**RTP 205 A RC HS Black  
Nylon 6 (PA)  
Glass Fiber  
Heat Stabilized**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>		<b>STANDARD</b>
Primary Additive	30 %	
Density	1.35 g/cm <sup>3</sup>	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.40 %	ASTM D 955

<b>MECHANICAL</b>		
Impact Strength, Izod		
Notched, 4 mm thickness	12 kJ/m <sup>2</sup>	ISO 180/1A
Tensile Strength	180 MPa	ISO 527
Tensile Elongation	4.0 %	ISO 527
Tensile Modulus	9800 MPa	ISO 527
Flexural Strength	250 MPa	ISO 178
Flexural Modulus	9000 MPa	ISO 178

<b>THERMAL</b>		
Heat Deflection Temperature		
@ 1.80 MPa	205 °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.

<b>GENERAL PROCESSING FOR INJECTION MOLDING</b>	
Injection Pressure	70 - 105 MPa
Injection Pressure	680 - 1030 bar
Melt Temperature	245 - 280 °C
Mold Temperature	55 - 95 °C
Drying	2 hrs @ 80 °C
Moisture Content	0.20 %
Dew Point	-25 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.