



**Product Data Sheet &  
General Processing Conditions**

**RTP 207 RC HS Black  
Nylon 6/6 (PA)  
Glass Fiber  
Heat Stabilized**

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

<b>PERMANENCE</b>		<b>STANDARD</b>
Primary Additive	40 %	
Density	1.46 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	14 kJ/m <sup>2</sup>	ISO 180/1A
Unnotched, 4 mm thickness	90 kJ/m <sup>2</sup>	ISO 180/1U
Tensile Strength	215 MPa	ISO 527
Tensile Elongation	3.5 %	ISO 527
Tensile Modulus	14000 MPa	ISO 527
Flexural Strength	320 MPa	ISO 178
Flexural Modulus	12000 MPa	ISO 178

<b>THERMAL</b>		
Heat Deflection Temperature @ 1.80 MPa	250 °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 - 125 MPa	
Injection Pressure	680 - 1240 bar	
Melt Temperature	275 - 300 °C	
Mold Temperature	65 - 105 °C	
Drying	4 hrs @ 80 °C	
Moisture Content	0.20 %	
Dew Point	-25 °C	

**PROCESSING NOTES**

Desiccant Type Dryer Required.