



**Product Data Sheet &  
General Processing Conditions**

**RTP 206 RC HS Black  
Nylon 6/6 (PA)  
Glass Fiber  
Heat Stabilized**

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

**PERMANENCE** **STANDARD**

Primary Additive	35 %	
Density	1.42 g/cm <sup>3</sup>	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.40 %	ASTM D 955

**MECHANICAL**

Impact Strength, Izod		
Notched, 4 mm thickness	11 kJ/m <sup>2</sup>	ISO 180/1A
Tensile Strength	200 MPa	ISO 527
Tensile Elongation	3.5 %	ISO 527
Tensile Modulus	12000 MPa	ISO 527
Flexural Strength	300 MPa	ISO 178
Flexural Modulus	11000 MPa	ISO 178

**THERMAL**

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.

**GENERAL PROCESSING FOR INJECTION MOLDING**

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.