



**Product Data Sheet &
General Processing Conditions**

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

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	40 %	
Density	1.46 g/cm ³	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.40 %	ASTM D 955

MECHANICAL		
Impact Strength, Izod		
Notched, 4 mm thickness	14 kJ/m ²	ISO 180/1A
Tensile Strength	200 MPa	ISO 527
Tensile Elongation	3.5 %	ISO 527
Tensile Modulus	13000 MPa	ISO 527
Flexural Strength	270 MPa	ISO 178
Flexural Modulus	11000 MPa	ISO 178

THERMAL		
Heat Deflection Temperature		
@ 1.80 MPa	215 °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	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.