



**Product Data Sheet &
General Processing Conditions**

**RTP 203 RC HS Black
Nylon 6/6 (PA)
Glass Fiber
Heat Stabilized**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	20 %	
Density	1.30 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	8 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	55 kJ/m ²	ISO 180/1U
Tensile Strength	150 MPa	ISO 527
Tensile Elongation	3.0 - 4.0 %	ISO 527
Tensile Modulus	7500 MPa	ISO 527
Flexural Strength	225 MPa	ISO 178
Flexural Modulus	7000 MPa	ISO 178

THERMAL		
Heat Deflection Temperature		
@ 1.80 MPa	245 °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.