



**Product Data Sheet &
General Processing Conditions**

**RTP 207.3 RC HS Black
Nylon 6/6 (PA)
Glass Fiber
Heat Stabilized**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE **STANDARD**

Primary Additive	43 %	
Density	1.50 g/cm ³	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.40 %	ISO 294-4

MECHANICAL

Impact Strength, Izod		
Notched, 4 mm thickness	14 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	90 kJ/m ²	ISO 180/1U
Tensile Strength	215 MPa	ISO 527
Tensile Elongation	3.5 %	ISO 527
Tensile Modulus	14500 MPa	ISO 527
Flexural Strength	320 MPa	ISO 178
Flexural Modulus	12500 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.