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**Product Data Sheet &
General Processing Conditions**

**RTP 205 A RC HS Black
Nylon 6 (PA)
Glass Fiber
Heat Stabilized**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	30 %	
Density	1.35 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	12 kJ/m ²	ISO 180/1A
Tensile Strength	180 MPa	ISO 527
Tensile Elongation	4.0 %	ISO 527
Tensile Modulus	9800 MPa	ISO 527
Flexural Strength	250 MPa	ISO 178
Flexural Modulus	9000 MPa	ISO 178

THERMAL

Heat Deflection Temperature		
@ 1.80 MPa	205 °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.