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**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 <sup>3</sup> | 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 <sup>2</sup> | ISO 180/1A |
| Unnotched, 4 mm thickness | 90 kJ/m <sup>2</sup> | 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<br>@ 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.