



**Product Data Sheet &  
General Processing Conditions**

**RTP 201.3 RC HS Black  
Nylon 6/6 (PA)  
Glass Fiber  
Heat Stabilized**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

| <b>PERMANENCE</b>           |                        | <b>STANDARD</b> |
|-----------------------------|------------------------|-----------------|
| Primary Additive            | 13 %                   |                 |
| Density                     | 1.23 g/cm <sup>3</sup> | ISO 1183        |
| Shrinkage, 4 mm Thickness   |                        |                 |
| Flow direction              | 0.40 - 0.70 %          | ISO 294-4       |
| <b>MECHANICAL</b>           |                        |                 |
| Impact Strength, Izod       |                        |                 |
| Notched, 4 mm thickness     | 5 kJ/m <sup>2</sup>    | ISO 180/1A      |
| Tensile Strength            | 120 MPa                | ISO 527         |
| Tensile Elongation          | 3.5 %                  | ISO 527         |
| Tensile Modulus             | 5700 MPa               | ISO 527         |
| Flexural Strength           | 180 MPa                | ISO 178         |
| Flexural Modulus            | 5300 MPa               | ISO 178         |
| <b>THERMAL</b>              |                        |                 |
| Heat Deflection Temperature |                        |                 |
| @ 1.80 MPa                  | 240 °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.