



**Product Data Sheet &  
General Processing Conditions**

**RTP 211 G HS  
Nylon 4/6 (PA)  
Glass Fiber  
Heat Stabilized  
Dry As Molded**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Primary Additive	60 %	60 %	
Specific Gravity	1.75	1.75	D 792
<b>MECHANICAL</b>			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	2.5 ft-lbs/in	133 J/m	D 256
unnotched 1/8 in (3.2 mm) section	22.0 ft-lbs/in	1175 J/m	D 4812
Tensile Strength	36000 psi	248 MPa	D 638
Tensile Elongation	2.2 %	2.2 %	D 638
Tensile Modulus	3.00 x 10 <sup>6</sup> psi	20685 MPa	D 638
Flexural Strength	56800 psi	392 MPa	D 790
Flexural Modulus	2.80 x 10 <sup>6</sup> psi	19306 MPa	D 790
<b>ELECTRICAL</b>			
Volume Resistivity	> 1E12 ohm.cm	> 1E12 ohm.cm	D 257
<b>THERMAL</b>			
Deflection Temperature @ 264 psi (1820 kPa)	545 °F	285 °C	D 648

**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**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	560 - 620 °F	293 - 327 °C
Mold Temperature	175 - 300 °F	79 - 149 °C
Drying	4 hrs @ 250 °F	4 hrs @ 121 °C
Moisture Content	0.05 %	0.05 %
Dew Point	-40 °F	-40 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.