



**Product Data Sheet &  
General Processing Conditions**

**RTP 287 G HS  
Nylon 4/6 (PA)  
Carbon 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	400 %	400 %	
Specific Gravity	1.35	1.35	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0120 in/in	1.20 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.5 ft-lbs/in	80 J/m	D 256
unnotched 1/8 in (3.2 mm) section	16.5 ft-lbs/in	881 J/m	D 4812
Tensile Strength	40000 psi	276 MPa	D 638
Tensile Elongation	1.4 %	1.4 %	D 638
Tensile Modulus	4.30 x 10 <sup>6</sup> psi	29648 MPa	D 638
Flexural Strength	62000 psi	427 MPa	D 790
Flexural Modulus	3.80 x 10 <sup>6</sup> psi	26201 MPa	D 790

**THERMAL**

Deflection Temperature @ 264 psi (1820 kPa)	545 °F	285 °C	D 648
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**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.