



**Product Data Sheet &
General Processing Conditions**

**RTP 285 G HS L
Nylon 4/6 (PA)
Carbon Fiber
Heat Stabilized**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	30 %	30 %	
Specific Gravity	1.30	1.30	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0017 in/in	0.17 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.2 ft-lbs/in	64 J/m	D 256
unnotched 1/8 in (3.2 mm) section	14.0 ft-lbs/in	747 J/m	D 4812
Tensile Strength	37000 psi	255 MPa	D 638
Tensile Elongation	2.0 %	2.0 %	D 638
Tensile Modulus	3.00 x 10 ⁶ psi	20685 MPa	D 638
Flexural Strength	54000 psi	372 MPa	D 790
Flexural Modulus	2.60 x 10 ⁶ psi	17927 MPa	D 790
THERMAL			
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

	English	SI Metric
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.