



**Product Data Sheet &
General Processing Conditions**

**RTP 205 G HS L
Nylon 4/6 (PA)
Glass Fiber
Heat Stabilized
Lubricated**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	30 %	30 %	
Specific Gravity	1.42	1.42	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0020 - 0.0050 in/in	0.20 - 0.50 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	1.8 ft-lbs/in	96 J/m	D 256
unnotched 1/8 in (3.2 mm) section	18.0 ft-lbs/in	961 J/m	D 4812
Tensile Strength	28000 psi	193 MPa	D 638
Tensile Elongation	2.5 - 3.5 %	2.5 - 3.5 %	D 638
Tensile Modulus	1.40 x 10 ⁶ psi	9653 MPa	D 638
Flexural Strength	44000 psi	303 MPa	D 790
Flexural Modulus	1.35 x 10 ⁶ psi	9308 MPa	D 790

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.