




**Product Data Sheet &
General Processing Conditions**

**RTP 205 TFE 15 HB
Nylon 6/6 (PA)
Glass Fiber
PTFE Lubricated
UL94 HB**



PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	30 %	30 %	
Specific Gravity	1.50	1.50	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0010 - 0.0045 in/in	0.10 - 0.45 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	2.2 ft-lbs/in	117 J/m	D 256
unnotched 1/8 in (3.2 mm) section	21.0 ft-lbs/in	1121 J/m	D 4812
Tensile Strength	23500 psi	162 MPa	D 638
Tensile Elongation	2.5 - 4.0 %	2.5 - 4.0 %	D 638
Tensile Modulus	1.30 x 10 ⁶ psi	8964 MPa	D 638
Flexural Strength	37000 psi	255 MPa	D 790
Flexural Modulus	1.30 x 10 ⁶ psi	8964 MPa	D 790
Hardness Rockwell, R	117	117	D 785
THERMAL			
Deflection Temperature @ 264 psi (1820 kPa)	460 °F	238 °C	D 648
Ignition Resistance*			
Flammability	HB @ 1/16 in	HB @ 1.5 mm	UL94
Glow Wire Flammability Index	960 °C @ 1/8 in	960 °C @ 3.0 mm	IEC 60695-2-12

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.
* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 18000 psi	69 - 124 MPa
Melt Temperature	530 - 570 °F	277 - 299 °C
Mold Temperature	150 - 225 °F	66 - 107 °C
Drying	4 hrs @ 175 °F	4 hrs @ 79 °C
Moisture Content	0.20 %	0.20 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Desiccant Type Dryer Required.