



**Product Data Sheet &  
General Processing Conditions**

**RTP 200 TFE 20 FR  
Nylon 6/6 (PA)  
PTFE Lubricated  
Flame Retardant**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.56	1.56	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0120 - 0.0200 in/in	1.20 - 2.00 %	D 955
<b>MECHANICAL</b>			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	0.7 ft-lbs/in	37 J/m	D 256
unnotched 1/8 in (3.2 mm) section	7.0 ft-lbs/in	374 J/m	D 4812
Tensile Strength	7500 psi	52 MPa	D 638
Tensile Elongation	3.0 - 5.0 %	3.0 - 5.0 %	D 638
Tensile Modulus	0.43 x 10 <sup>6</sup> psi	2965 MPa	D 638
Flexural Strength	12000 psi	83 MPa	D 790
Flexural Modulus	0.40 x 10 <sup>6</sup> psi	2758 MPa	D 790
<b>THERMAL</b>			
Ignition Resistance* Flammability**	V-0 @ 1/16 in	V-0 @ 1.5 mm	D 3801

**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.  
 \*\* Values per RTP Company testing.

**GENERAL PROCESSING FOR INJECTION MOLDING**

	<b>English</b>	<b>SI Metric</b>
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.