




**Product Data Sheet &  
General Processing Conditions**

**RTP 600 TFE 10 HB  
Acrylonitrile Butadiene Styrene  
(ABS)  
PTFE Lubricated  
UL94 HB**



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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Primary Additive	10 %	10 %	
Specific Gravity	1.10	1.10	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0050 - 0.0070 in/in	0.50 - 0.70 %	D 955
Water Absorption, 24 hrs @ 23°C	0.240 %	0.240 %	D 570
<b>MECHANICAL</b>			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	2.5 ft-lbs/in	133 J/m	D 256
unnotched 1/8 in (3.2 mm) section	12.0 ft-lbs/in	641 J/m	D 4812
Tensile Strength	5500 psi	38 MPa	D 638
Tensile Elongation	8.0 - 10.0 %	8.0 - 10.0 %	D 638
Tensile Modulus	0.33 x 10 <sup>6</sup> psi	2275 MPa	D 638
Flexural Strength	10000 psi	69 MPa	D 790
Flexural Modulus	0.35 x 10 <sup>6</sup> psi	2413 MPa	D 790
<b>ELECTRICAL</b>			
Volume Resistivity	> 1E15 ohm.cm	> 1E15 ohm.cm	D 257
<b>THERMAL</b>			
Deflection Temperature			
@ 264 psi (1820 kPa)	210 °F	99 °C	D 648
@ 66 psi (455 kPa)	215 °F	102 °C	D 648
Ignition Resistance*			
Flammability	HB @ 1/16 in	HB @ 1.5 mm	UL94

**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**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	400 - 460 °F	204 - 238 °C
Mold Temperature	145 - 185 °F	63 - 85 °C
Drying	2 hrs @ 180 °F	2 hrs @ 82 °C
Moisture Content	0.10 %	0.10 %
Dew Point	0 °F	-18 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.