



**Product Data Sheet &  
General Processing Conditions**

**RTP 3500  
Fluorinated Ethylene Propylene  
(FEP)  
Base Resin**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	2.15	2.15	D 792
<b>MECHANICAL</b>			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	No Break	No Break	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	3000 psi	21 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.09 x 10 <sup>6</sup> psi	621 MPa	D 638
Flexural Strength	3500 psi	24 MPa	D 790
Flexural Modulus	0.09 x 10 <sup>6</sup> psi	621 MPa	D 790

**THERMAL**

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	3000 - 8000 psi	21 - 55 MPa
Melt Temperature	650 - 725 °F	343 - 385 °C
Mold Temperature	200 - 200 °F	93 - 93 °C
Drying	2 - 4 hrs @ 250 °F	2 - 4 hrs @ 121 °C