




**Product Data Sheet &  
General Processing Conditions**

**RTP 900 GF-130  
Polysulfone (PSU)  
Glass Fiber  
UL94**  


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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Primary Additive	30 %	30 %	
Specific Gravity	1.49	1.49	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0020 - 0.0030 in/in	0.20 - 0.30 %	D 955
Water Absorption, 24 hrs @ 23°C	0.220 %	0.220 %	D 570
<b>MECHANICAL</b>			
Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	1.2 ft-lbs/in	64 J/m	D 256
unnotched 1/8 in (3.2 mm) section	8.0 ft-lbs/in	427 J/m	D 4812
Tensile Strength	15500 psi	107 MPa	D 638
Tensile Elongation	2.0 - 3.0 %	2.0 - 3.0 %	D 638
Tensile Modulus	1.20 x 10 <sup>6</sup> psi	8274 MPa	D 638
Flexural Strength	22500 psi	155 MPa	D 790
Flexural Modulus	1.10 x 10 <sup>6</sup> psi	7584 MPa	D 790
Hardness			
Rockwell, R	123	123	D 785
<b>THERMAL</b>			
Deflection Temperature			
@ 264 psi (1820 kPa)	355 °F	179 °C	D 648
Ignition Resistance*			
Flammability	V-1 @ 1/16 in	V-1 @ 1.5 mm	UL94
Flammability	V-0 @ 1/8 in	V-0 @ 3.0 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 - 18000 psi	69 - 124 MPa
Melt Temperature	630 - 700 °F	332 - 371 °C
Mold Temperature	200 - 300 °F	93 - 149 °C
Drying	4 hrs @ 275 °F	4 hrs @ 135 °C
Moisture Content	0.15 %	0.15 %
Dew Point	-25 °F	-32 °C