



**Product Data Sheet &  
General Processing Conditions**

**RTP 2500 FR-3010  
Polycarbonate/ABS Alloy (PC/ABS)  
Flame Retardant  
Bromine/Chlorine Free**



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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.20	1.20	D 792
Melt Flow Rate @ 240 °C, / 5.0 kg	15.00 g/10 min	15.00 g/10 min	D 1238
Molding Shrinkage 1/8 in (3.2 mm) section	0.0050 - 0.0080 in/in	0.50 - 0.80 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	13.0 ft-lbs/in	694 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	8500 psi	59 MPa	D 638
Tensile Elongation	> 40.0 %	> 40.0 %	D 638
Tensile Modulus	0.39 x 10 <sup>6</sup> psi	2689 MPa	D 638
Flexural Strength	15000 psi	103 MPa	D 790
Flexural Modulus	0.42 x 10 <sup>6</sup> psi	2896 MPa	D 790

**ELECTRICAL**

Dielectric Strength, S/T, in oil	750 VPM	29.5 kV/mm	D 149
Volume Resistivity	> 1E15 ohm.cm	> 1E15 ohm.cm	D 257

**THERMAL**

Deflection Temperature @ 264 psi (1820 kPa)	205 °F	96 °C	D 648
Ignition Resistance*			
Flammability	V-0 @ 1/16 in	V-0 @ 1.5 mm	UL94
Flammability	5VA @ 1/8 in	5VA @ 3.0 mm	UL94
Glow Wire Ignitability Temperature	850 °C @ 0.040 in	850 °C @ 1.0 mm	IEC 60695-2-13
Glow Wire Flammability Index	960 °C @ 0.040 in	960 °C @ 1.0 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**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	470 - 525 °F	243 - 274 °C
Mold Temperature	125 - 200 °F	52 - 93 °C
Drying	4 hrs @ 200 °F	4 hrs @ 93 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-20 °F	-29 °C