




**Product Data Sheet &  
General Processing Conditions**

**RTP 1899 A X 106999**  
**Polycarbonate/Acrylic Alloy (PC/PMMA)**  
**Permanently Anti-static**  
**ESD Protection**  
**Flame Retardant**  
**Non-PBDE/PBB**  
**UV Stabilized**  
**UL94 V-0**  


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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.29	1.29	D 792
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	8.0 ft-lbs/in	427 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	6000 psi	41 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.28 x 10 <sup>6</sup> psi	1931 MPa	D 638
Flexural Strength	9000 psi	62 MPa	D 790
Flexural Modulus	0.28 x 10 <sup>6</sup> psi	1931 MPa	D 790

**ELECTRICAL**

Volume Resistivity	1E8 - 1E10 ohm.cm	1E8 - 1E10 ohm.cm	D 257
Surface Resistivity	1E9 - 1E11 ohm/sq	1E9 - 1E11 ohm/sq	D 257
Static Decay	< 2.00 s	< 2.00 s	ESD STM11.11 FTMS101C 4046.1

**THERMAL**

Deflection Temperature @ 264 psi (1820 kPa)	190 °F	88 °C	D 648
@ 66 psi (455 kPa)	215 °F	102 °C	D 648
Ignition Resistance* Flammability	V-0 @ 1/16 in	V-0 @ 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	8000 - 12000 psi	55 - 83 MPa
Melt Temperature	400 - 480 °F	204 - 249 °C
Mold Temperature	100 - 150 °F	38 - 66 °C
Drying	3 - 6 hrs @ 180 °F	3 - 6 hrs @ 82 °C
Moisture Content	0.02 %	0.02 %
Dew Point	0 °F	-18 °C

**PROCESSING NOTES**

Desiccant Type Dryer Required.