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**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

PERMANENCE	English	SI Metric	ASTM TEST
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 ⁶ psi	1931 MPa	D 638
Flexural Strength	9000 psi	62 MPa	D 790
Flexural Modulus	0.28 x 10 ⁶ 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

	English	SI Metric
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.