




**Product Data Sheet &
General Processing Conditions**

**RTP 2599 X 133871
Polycarbonate/ABS Alloy (PC/ABS)
Permanently Anti-static
ESD Protection
Flame Retardant
UV Stabilized**



This compound has been formulated to meet the static dissipative requirements of the ATEX Directive.

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.32	1.32	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	4.0 ft-lbs/in	214 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	5600 psi	39 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.31 x 10 ⁶ psi	2137 MPa	D 638
Flexural Strength	9700 psi	67 MPa	D 790
Flexural Modulus	0.31 x 10 ⁶ psi	2137 MPa	D 790

ELECTRICAL

Surface Resistance*	< 1E9 ohm	< 1E9 ohm	IEC 60079:0
Static Decay MIL-PRF-81705D, 5kV to 50 V, 12% RH	< 0.50 s	< 0.50 s	FTMS101C 4046.1

THERMAL

Deflection Temperature @ 264 psi (1820 kPa)	191 °F	88 °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.

*ATEX Directive mandates <1.0E+09 ohm surface resistance.

* 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	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	420 - 460 °F	216 - 238 °C

Mold Temperature	125 - 160 °F	52 - 71 °C
Drying	4 hrs @ 200 °F	4 hrs @ 93 °C
Moisture Content	0.02 %	0.02 %
Dew Point	-20 °F	-29 °C

PROCESSING NOTES

Desiccant Type Dryer Required.