Product Data Sheet &
General Processing Conditions

RTP 2099 E X 100781 U
Thermoplastic Elastomer Alloy
ESD Protection
Over Molding
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	1.01	1.01	D 792
Molding Shrinkage			
1/8 in (3.2 mm) section	0.0200 in/in	2.00 %	D 955
MECHANICAL			
Tensile Strength			
Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1200 psi	8 MPa	D 412
Tensile Elongation			
Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	750.0 %	750.0 %	D 412
Tensile Stress			
Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min)			
@ 100 %	275.0 psi	1.9 MPa	D 412
Tear Strength, Die C	225.0 pli	39.4 N/mm	D 624
Hardness			
Shore A, 10 s delay	62	62	D 2240
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

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 surface resistance limits of <1.0E+09 ohm at 50% RH or <1.0E+11 ohm at 30% RH.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Melt Temperature	360 - 420 °F	182 - 216 °C
Mold Temperature	60 - 90 °F	16 - 32 °C
Drying	6 hrs @ 180 °F	6 hrs @ 82 °C
Moisture Content	0.05 %	0.05 %
Dew Point	-20 °F	-29 °C

PROCESSING NOTES

Do not exceed 520 °F (270 °C) melt temperature.
Desiccant Type Dryer Required.