

# MATERIAL DATA

## *Amine Free Static Dissipative Polyethylene*

<b>Non-Amine</b>	No Ethoxylated tertiary amines to inflict damage to circuit boards.
<b>Polycarbonate Compatible</b>	Material has passed polycarbonate compatibility testing at G.E.
<b>Non N-Octanoic Acid</b>	Will not react with the lead element found in solder coated circuit board leads.
<b>Non/Low Greasy Out Gassing</b>	Does not feel greasy to the touch, eliminating transfer of greasy residue (contamination) on packaged parts.
<b>Extended Shelf Life</b>	Material test after aging show minimal loss of physical or electrical properties.
<b>Printability</b>	Material can be printed, hot stamped or labeled without identification being readily wiped off.
<b>Clean Room Compatible</b>	Material lends itself to cleaning for use in Class 100 Clean Rooms and will not introduce contamination into the room.
<b>Non Corrosive</b>	Material will not promote corrosion.
<b>RoHS Compliant</b>	
<b>Excellent Physical/Mechanical/Electrostatic Properties</b>	

### Electrostatic / Corrosivity Data

Properties	Result	Test Method
Surface Resistivity	10 <sup>10</sup> - 10 <sup>11</sup> ohms/sq	D-257
Static Decay Rate	5 KV-0 Volts < 2.0 sec.	Electricals of MIL-PRF-81705D, Type II, Fed Test Method 101, Method 4046
Poly Carbonate Haze	NE	72 hr. Contact
Corrosivity Observations	NE	MIL-STD-3010, Method 3005
Dart Impact	230 gms	D-1709
Melt Index	.050 gm/10 min.	D-1238
Density	0.923 gm/cc	D-1505
Haze	10%	D-1003
60 Degree Gloss	90	D-2457
45 Degree Gloss	56	D-2457
Coefficient of Friction	0.05	D-1894
1% Secant Modulus	MD 24,000 psi	D-882
(Stiffness)	MD 25,000 psi	D-882

The values and information provided in this document have been provided directly to Armand from our material supplier. This information is given as an indication of typical values and provided without any obligation on our part.