



**Product Data Sheet &  
General Processing Conditions**

**ESD A 100  
Polypropylene (PP)  
ESD Protection  
Static Dissipative  
Standard (Low) MFR**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	0.97	0.97	D 792
Melt Flow Rate @ 230 °C, / 2.16 kg	0.50 - 2.00 g/10 min	0.50 - 2.00 g/10 min	D 1238
Molding Shrinkage 1/8 in (3.2 mm) section	0.0120 - 0.0170 in/in	1.20 - 1.70 %	D 955

**MECHANICAL**

Impact Strength, Izod notched 1/8 in (3.2 mm) section	No Break	No Break	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	3900 psi	27 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.22 x 10 <sup>6</sup> psi	1517 MPa	D 638
Flexural Strength	4500 psi	31 MPa	D 790
Flexural Modulus	0.19 x 10 <sup>6</sup> psi	1310 MPa	D 790

**ELECTRICAL**

Volume Resistivity	1E3 - 9.9E+09 ohm.cm	1E3 - 9.9E+09 ohm.cm	D 257
Surface Resistivity	1E5 - 9.9E+11 ohm/sq	1E5 - 9.9E+11 ohm/sq	D 257
Surface Resistance	1E4 - 9.9E+10 ohm	1E4 - 9.9E+10 ohm	ESD STM11.11
Static Decay MIL-PRF-81705D, 5kV to 50 V, 12% RH	< 2.00 s	< 2.00 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.

**GENERAL PROCESSING FOR INJECTION MOLDING**

	<b>English</b>	<b>SI Metric</b>
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	375 - 450 °F	191 - 232 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C