



**Product Data Sheet &  
General Processing Conditions**

**ESD C 2800 B-75A Black  
Thermoplastic Polyolefin Elastomer (TEO)  
Electrically Conductive  
ESD Protection**

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

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.01	1.01	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0150 - 0.0300 in/in	1.50 - 3.00 %	D 955
<b>MECHANICAL</b>			
Tensile Strength Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	1300 psi	9 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	450.0 %	450.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	600.0 psi	4.1 MPa	D 412
Tear Strength, Die C	235.0 pli	41.2 N/mm	D 624
Hardness Shore A, 10 s delay	75	75	D 2240
<b>ELECTRICAL</b>			
Volume Resistivity	< 1000 ohm.cm	< 1000 ohm.cm	D 257
Surface Resistivity	< 1E5 ohm/sq	< 1E5 ohm/sq	D 257 ESD STM11.11

**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	12000 - 18000 psi	83 - 124 MPa
Melt Temperature	360 - 410 °F	182 - 210 °C
Mold Temperature	60 - 150 °F	16 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C
Moisture Content	0.03 %	0.03 %
Dew Point	0 °F	-18 °C