



**Product Data Sheet &
General Processing Conditions**

**ESD C 2800 B-55A Black
Thermoplastic Polyolefin Elastomer (TEO)
Electrically Conductive
ESD Protection**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.00	1.00	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0150 - 0.0300 in/in	1.50 - 3.00 %	D 955

MECHANICAL

Tensile Strength Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	800 psi	6 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	350.0 %	350.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	300.0 psi 170.0 pli	2.1 MPa 29.8 N/mm	D 412 D 624
Tear Strength, Die C			
Hardness Shore A, 10 s delay	55	55	D 2240

ELECTRICAL

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

	English	SI Metric
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