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**Product Data Sheet &
General Processing Conditions**

**ESD A 200 A
Nylon 6 (PA)
ESD Protection
Static Dissipative**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.17	1.17	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0120 - 0.0160 in/in	1.20 - 1.60 %	D 955
MECHANICAL			
Impact Strength, Izod notched 1/8 in (3.2 mm) section	3.0 ft-lbs/in	160 J/m	D 256
unnotched 1/8 in (3.2 mm) section	No Break	No Break	D 4812
Tensile Strength	7800 psi	54 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.40 x 10 ⁶ psi	2758 MPa	D 638
Flexural Strength	13000 psi	90 MPa	D 790
Flexural Modulus	0.40 x 10 ⁶ psi	2758 MPa	D 790
ELECTRICAL			
Volume Resistivity	1E3 - 1E7 ohm.cm	1E3 - 1E7 ohm.cm	D 257
Surface Resistivity	1E4 - 1E8 ohm/sq	1E4 - 1E8 ohm/sq	D 257
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

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	470 - 535 °F	243 - 279 °C
Mold Temperature	130 - 200 °F	54 - 93 °C
Drying	2 hrs @ 180 °F	2 hrs @ 82 °C
Moisture Content	0.20 %	0.20 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Desiccant Type Dryer Required.