

Static Control Products (Specification Page)

Superior ESD Protection

StratoGrey™ static shielding bags are designed for packaging products requiring electrostatic-discharge protection. The bags offer superior ESD protection for CMOs, MOS and other highly ESD-sensitive components.

Transparent, Non-Contaminating

StratoGrey™ bags are transparent for easy identification of package contents and may be printed with company logo or product information. The bags contain no N-octanoic acid and are compatible with polycarbonate materials. StratoGrey™ bags are humidity-independent and heat-sealable to protect from moisture and dust during handling and storage.

Meets EIA Standards

StratoGrey™ bags meet the requirements of EIA Std 541. The bags also meet the electrical and physical requirements of MIL-PRF-81705D, Type III Class I but are not QPL approved.



StratoGrey™ Static Shielding Bags

PHYSICAL PROPERTIES

CHARACTERISTICS	RESULTS	TEST METHOD
Tensile Strength	5,800 psi MD 6,600 psi TD	ASTM D-882-83 Method A
Burst Strength	50 psi	FTMS 101C Method 2007
Tear Strength (Notched)	2.7 lbs MD 2.4 lbs TD	ASTM D-1004-66
Heat Seal Strength	> 14 lbs/in width	ASTM D-1876-72
Elongation at Break	80% MD 85% TD	ASTM D-882-83 Method A
Puncture Strength	> 12 lbs	FTMS 101C Method 2065.1
Light Transmission	40% +/- 5%	ASTM D-1003-77
Moisture Vapor	0.3 gms @ 100°F/90% R.H.	ASTM F-1249
Transmission Rate (MVTR)	100 in ² / 24 hrs	
Total Material Thickness	2.8 Mil	ASTM D-2103

ELECTRICAL PROPERTIES

CHARACTERISTICS	RESULTS	TEST METHOD
Static Decay Rate (5000 to 0 volts)	< 0.03 seconds	FTMS 101C Method 4046.1
Surface Resistivity		
Outer Layer	<10 ¹⁰ ohms/in ² avg	ASTM D-257
Metal Layer	50 ohms/sq	
Inner Layer	<10 ¹⁰ ohms/in ² avg	
EMI Shielding (after flexing)	>10 dB (between 1 and 10 GHz)	MIL-PRF-81705D
Capacitive Probe (1 KV)	< 20 volts	EIA Std 541 Appendix E
Charge Generation (nominal)	Teflon - 0.09 avg. nC/sq. in Quartz +0.10 avg. nC/sq. in	Modified incline plane

Important: While the information contained herein results from extensive testing on these materials, accuracy and reliability of such tests cannot be guaranteed, thus requiring limits on warranty. User assumes all liability regarding damage or loss arising from use of product. User shall determine the appropriateness of these materials for intended application and assumes total liability in the event of aforementioned damages.