



8100 Series Static Shielding Bags

SPECIFICATIONS

Electrical Properties

	Typical Values	Test Method
Surface Resistance:		
Outer Surface	<10E11 ohms	EOS/ESD S11.11
Aluminum Layer	<10E2 ohms	EOS/ESD S11.11
Inner Surface	<10E11 ohms	EOS/ESD S11.11
Static Shielding	<25nJ	EOS/ESD S11.31
Charge Generation	Teflon: 0.09 nC/sq.in. Quartz: 0.01 nC/sq.in.	Modified Incline Plane Modified Incline Plane
Capacitance Probe (to dissipate 1 KV)	<30V	MIL-PRF-81705D, EIA 541

Physical Properties

Bag Thickness:		
Polyester Layer	0.5 Mils Static Dissipative PET Film	ASTM D-2103
Aluminum Layer	10-25 Angstroms	
Polyethylene Layer	2.5 Mils Static Dissipative PE film	ASTM D-2103
Total Thickness	3.0 Mils	ASTM D-2103
Light Transmission (%)	>40% (Tobias)	ASTM D-1003
Burst Strength (psi)	>50	FTMS 101K, Method 2065.1
Heat Seal (lbs/in)	>10	375° F, ½ sec 60 psi
Seam Strength	Pass	MIL-PRF-81705D
Tear Strength (lbs)	>25	ASTM D-1004
Puncture Resistance (lbs)	>10	ASTM D-2065
MVTR (gms / 100 in ² / 24 hrs, 100°F)	<0.40	FTMS 101C/2065
OTR (cc / 100 in ² / 24 hrs)	<6.1	ASTM D-1434
Abrasion Resistance	>100 cycles	Sutherland Abr. (.0000 Steel Wool)
Outgassing	Pass	ASTM E595
Non-corrosive	Pass	MIL-STD-3010, M3005

Chemical Properties

Corrosion	No effect on aluminum, copper, silver, SN-Pb coated foil, stainless Steel, low carbon steel	
Polycarbonate Capability	Yes	
No Amines or N-Octanoic Acid	Not present	

Bag is free of amines, N-Octanoic acid, and heavy metals.
These bags are recyclable.



**For more information regarding this product, please contact us toll-free at
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