

ESD BAG SELECTION CHART

This chart has been provided to help you determine the ESD bag that best fits your needs. If you have further questions or would like a sample, contact Charleswater's Customer Service Department.



Physical Properties	Statshield® Standard Metal In	Statshield® Standard Metal Out	Statshield® EMI/RFI ESD MBB
Resistance of polyester outer layer	<10E11 ohms	<10E8 ohms	<10E12 ohms
Resistance of aluminum layer	<10E2 ohms	<10E2 ohms	10E2 ohms
Resistance of polyethylene inner layer	<10E11 ohms	<10E12 ohms	<10E12 ohms
Aluminum metal layer location	between polyester & polyethylene	outer layer coated with abrasive resistant coating	dual metal layers between plastic layers
Static decay	<0.05 sec	<0.01 sec	<0.03 sec
Faraday Cage ESD shielding	Yes	Yes	Yes
Energy penetration (nanojoules)	<25	<20	<50
Thickness (nominal)	3.0 mil	3.0 mil	3.5 mil
Puncture resistance	>10#	>10#	>20#
Tear resistance	25 grams/mil	25 grams/mil	170 grams/mil
Moisture barrier MVTR	<0.40 grams	<0.40 grams	<0.002 grams
Application	Transport or store ESDS outside protected area	Substitute for Metal In where end user requires	Stands up to many automatic vacuum packaging operations
Durability	Good	Less Durable	Superior