



STATCLEAN TECHNOLOGY (S) PTE. LTD.

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PHYSICAL/ TECHNICAL DATA SHEET

Product Name	Static Shielding Bag (STSSB)
Material Composition	Anti-static Imprenated Compound/ Polyester/ Polyethylene/ Anti-abrasion layer/ Metallic layer
Color Availability	Silver
Cleanroom Compatability	Bag are manufactured in controlled environment
Quality Standards	Manufactured in ISO Certified facilities. Each outgoing Lot has been tested and proved compliance to acceptable visual inspection standards. AQL: 0.65
Thickness Availability	Customized thickness from 75micron to 150micron
Width Availability	Customized width from 4 inches (100mm) to 20 inches (510mm)
Optional Features	Anti-static surfaces, colour printing

Electrical Properties	Test Method	Unit	Value
EMI Shielding	MIL-B-81705C (10 GHz)	db	>=10
Resistivity - Conductive Metal	ASTM D257	ohm/sq	<=50
Capacity Probe Test	EIA STD541 Appendix E - 1KV	volts	<=20
Static Decay 5KV - 0V	FTMS101C, Method D 4046-1	sec	<=0.1
Surface Resistivity - Both side	ASTM D257 @ 12%	ohm/sq	<10exp.11
Charge Generation	Modified Incline Plane	ac / inch.sq	-0.09(Telfon)
	Modified Incline Plane	ac / inch.sq	+0.1(Quartz)
Physical Properties	Test Method	Unit	Value
Tensile Strength	ASTM D882-83, Method A	psi	5800(MD)
		psi	6600(TD)
Tear Strength	D1004-66-NOTCH	lbs	2.5(MD)
		Lbs	2.0(TD)
Elongation	ASTM D882-83, Method A	percent	80(MD)
		percent	85(TD)
Burst Strength	FTM 191C, Method 5122	psi	>50
Puncture Strength	FTMS 101C, Method 2065.1	lbs	>12
Heat Seal Strength	D1876-72	lbs/inch width	>14
Moisture Vapor Transmission Rate	ASTM F-1249 @ 100°F / 100 SQ IN / 24 HRS	gms	0.3
Light Transmission Rate	ASTM D 1003-77	percent	40% +/- 5%

