



## Static Shielding Bags

8100 Series made by Bennett & Bennett

8100 Series		
Electrical Properties	Typical Values	Test Method
Surface Resistivity	PE < 10 <sup>12</sup> Ohms/square	ASTM D-257 @ 15% RH
	PET < 10 <sup>12</sup> Ohms/square	ASTM D-257 @ 15% RH
ESD Resistance	PE < 10 <sup>11</sup> Ohms/square	ANSI / ESD STM 11.11
	PET < 10 <sup>11</sup> Ohms/square	ANSI / ESD STM 11.11
Static Shielding	< 10 nJ	EOS / ESD S11.31
Electrostatic Decay	0.01 seconds	FTMS 101 Method 4046
Capacitance Probe	< 10 Volts Difference	EIA-541
Metal Layer	< 100 Ω	ETS-8C3 at 15% RH
Physical Properties	Typical Values	Test Method
Thickness	3.1 mil	PST #001
Yield	9,000 sq. in/lb	PST #002
Tensile Strength	15 lbs / in	ASTM D 882
Puncture Resistance	> 12 lbs	FTMS 101C method 2065
Tear Initiation	> 2 lbs	ASTM D 1004-94A
Mullen Burst	82 PSI	ASTM D 774
Seam Strength	> 12 lbs / in	ASTM D 882
Haze	4%	ASTM D 1003
Optical Density	0.35 - 0.45	
Transparency	40%	ASTM D 1003
Heat Seal	375°F 0.5 sec 60 PSI	
Heat Sealing	Typical Values	
Temperature	250°F - 375°F	
Pressure	30 - 70 PSI	
Time	0.5 - 3.5 seconds	
Chemical Properties	Typical Values	Test Method
Contact Corrosivity	No visible signs after testing at deterioration	FTMS 101C Method 3005 sodium fluoride phosphate & sodium ions

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