

3M™ 2100R/2110R Metal-Out Static Shielding Bag Properties

Property	Test Method	Typical Value
Thickness	ASTM D2103	3.2 mil (81 microns)
Strength		>20 lbs. (>6250 PSI, 4.3 x 10 ⁷ N/m ²)
Tensile	ASTM D882	9000 PSI, (6.2 x 10 ⁷ N/m ²)
Puncture	FTMS 101	24 lbs. (10.9 kg)
Seal	MIL PRF 81705	Pass
Optical Density	ASTM D1003	.35-.45
Surface Resistance/Resistivity		
Interior	ANSI/ESD S11.11	<10 ¹¹ ohms
Exterior	ANSI/ESD S11.11	<10 ¹¹ ohms
Metallized Layer	Monroe #267	<10 ² ohms/sq.
Electrostatic	EIA-541 (V-Zap)	<30V
Shielding	ANSI/ESD S11.31	<25 nJ
Decay Time	EIA-541	<2 sec.
Contact Corrosivity	FTMS 101C Method 3005	Pass
Outgassing		
TML	ASTM E595	<1.0%
CVCM	ASTM E595	<0.1%
Heat Seal Properties		
Temperature		180°F - 250°F (82°C - 121°C)
Time		0.5 - 5.0 Sec.
Pressure		20 - 60 PSI
Shelf Life (from date of manufacture)		1 - Year