

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

Property	Test Method	Typical Value
Thickness	ASTM D2103	3.2 mil (81 microns)
Strength		
Tensile	ASTM D882	9000 PSI
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
Time		(82°C - 121°C)
Pressure		0.5 - 5.0 Sec. 20 - 60 PSI
Shelf Life (from date of manufacture)		1 - Year