



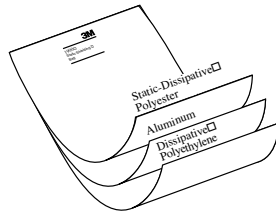
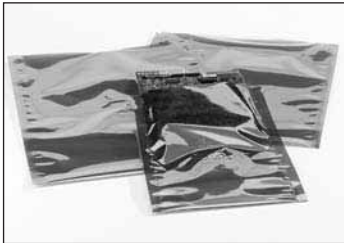
Static Control Packaging and Transportation Products

Static Shielding Bags

The 3M™ Metal-In Static Shielding Bag 1900/1910 is an economical alternative shielding bag for less demanding applications where testing and reusing bags are not prime considerations.

Aluminum is vapor-coated on half-mil polyester. This shielding layer is bonded between the polyester layer and a static-dissipative polyethylene inner layer. Static Shielding Bags 1900/1910 are amine-free, non-corrosive and meet EIA-541 definition for static shielding/dissipative packaging.

The Static Shielding Bag 1910 features a zipper closure for easy opening and closing.



3M™ Static Shielding Bag 1900/1910 Cross-section

Static Shielding Bag 1900/1910 Properties

Property	Test Method	Typical Value
Thickness	ASTM D2103	2.9 mil (74 microns)
Strength Tensile	ASTM D882	15 lbs./in. width > 5200 PSI MD/TD
Puncture	FTMS 101, Method 2065	>12 lbs. (5.4 kg)
Seam	MIL PRF 81705	Pass
Optical Density	ASTM D1003	.35-.45
Surface Resistance/Resistivity		
Interior	ESD S-11.11	<10 ¹¹ ohms
Exterior	ESD S-11.11	<10 ¹¹ ohms
Metallized Layer	Monroe #267	<10 ² ohm/sq.
Electrostatic Shielding	EIA-541 (V-Zap) ANSI/ESD S11.31	<30V <25nJ
Electrostatic Decay Interior	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 (1.4 x 10 ⁵ – 4.1 x 10 ⁵ N/m ²)
Shelf Life (from date of manufacture)		1 – Year

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Product No.	Description	
1900	Metal-In Static Shielding Bag. 100 bags per pack	
	Standard Sizes, in. (cm)	
	3 x 5	(7.6 x 12.5)
	4 x 4	(10.2 x 10.2)
	4 x 6	(10.2 x 15.2)
	4 x 24	(10.2 x 61)
	4 x 26	(10.2 x 66)
	4 x 30	(10.2 x 76.2)
	5 x 8	(12.7 x 20.3)
	5 x 10	(12.7 x 25.4)
	6 x 8	(15.2 x 20.3)
	6 x 10	(15.2 x 25.4)
	7 x 15	(17.8 x 38.1)
	8 x 8	(20.3 x 20.3)
	8 x 10	(20.3 x 25.4)
	8 x 12	(20.3 x 30.5)
	10 x 12	(25.4 x 30.5)
	10 x 14	(25.4 x 35.6)
	10 x 24	(25.4 x 61)
	10 x 26	(25.4 x 66.0)
	10 x 30	(25.4 x 76.2)
	11 x 15	(27.9 x 38.1)
	12 x 16	(30.5 x 40.6)
	12 x 18	(30.5 x 45.7)
	14 x 18	(35.6 x 45.7)
	15 x 18	(38.1 x 45.7)
	16 x 24	(40.6 x 61)
18 x 18	(45.7 x 45.7)	
18 x 24	(45.7 x 61)	
Custom Size Limits, in. (cm)		
	2 x 3 to 35 x 36 (5.1 x 7.6 to 88.9 x 91.4)	

Product No.	Description	
1910	1900 with Zipper Closure. 100 bags per pack	
	Standard Sizes, in. (cm)	
	3 x 5	(7.6 x 12.5)
	4 x 4	(10.2 x 10.2)
	4 x 6	(10.2 x 15.2)
	5 x 8	(12.7 x 20.3)
	6 x 8	(15.2 x 20.3)
	6 x 10	(15.2 x 25.4)
	8 x 10	(20.3 x 25.4)
	8 x 12	(20.3 x 30.5)
	10 x 12	(25.4 x 30.5)
	10 x 14	(25.4 x 35.6)
	11 x 15	(27.9 x 38.1)
	12 x 12	(30.5 x 30.5)
	12 x 16	(30.5 x 40.6)
	12 x 18	(30.5 x 45.7)
	18 x 18	(45.7 x 45.7)
	Custom Size Limits, in. (cm)	
		3 x 5 to 20 x 30 (7.6 x 12.7 to 50.8 x 76.2)

Dimensions are inside measurements (W x L).