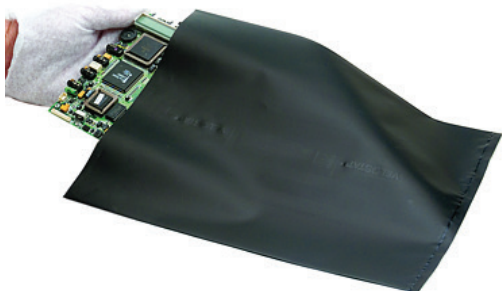


## 3M™ Conductive Film Products

### 3M™ Conductive Bag 2004

Conductive Bags 2004 are made of opaque, volume-conductive carbon impregnated polyolefin, and are heat-sealable. The bags are designed to dissipate a charge and should not become electrically charged through tribo electrification.



### 3M™ Conductive Film 1700

Conductive Film 1700 is opaque, volume-conductive, carbon-impregnated polyolefin, and is commonly used for material handling, shipping and storage in the electronic or chemical industries.



### 3M™ Conductive Drum Liner 2014

Conductive Drum Liners 2014 are designed to not hold a static charge when properly grounded, and are commonly used in the electronic or chemical industry as a waste container liner.



### 3M™ Conductive Tubing 1724

Conductive Tubing 1724 is made of opaque, volume conductive carbon-impregnated polyolefin, and is used to make bags and sleeves for specialized packaging or storage requirements. The tubing is heat-sealable and can be used on automated packaging lines.



## 3M™ Conductive Film Products

Part Numbers and Sizes	Typical Value
<b>3M™ Conductive Bags 2004</b>	
Type	Conductive
Wall Thickness	4.0 mil (102 microns)
Standard Sizes	5 x 8 in. (12.7 x 20.3 cm) 6 x 10 in. (15.2 x 25.4 cm) 8 x 12 in. (20.3 x 30.5 cm) 10 x 12 in. (25.4 x 30.5 cm) 12 x 16 in. (30.5 x 40.6 cm) 15 x 18 in. (38.1 x 45.7 cm)
<b>3M™ Conductive Drum Liners 2014</b>	
Type	Conductive
Wall Thickness	4.0 mil (102 microns)
Standard Sizes	5 gallon 18 x 24 in. (45.7 x 61.0 cm) 20 gallon 24 x 36 in. (61.0 x 91.4 cm) 30 gallon 30 x 36 in. (76.2 x 91.4 cm) *55 gallon 38 x 58 in. (96.5 x 147.3 cm) * Available 50 per box
<b>3M™ Conductive Film, Short Rolls 1704, 1706, 1708</b>	
Type	Conductive
Film Thickness for 1704	4.0 mil (102 microns)
Film Thickness for 1706	6.0 mil (152.4 microns)
Film Thickness for 1708	8.0 mil (203.2 microns)
Standard Sizes	
Roll Length 150 ft. (45.7 m)	36 in. (91.4 cm) 54 in. (137.2 cm) 72 in. (182.9 cm)
<b>3M™ Conductive Film, Long Rolls, 1764</b>	
Type	Conductive
Film Thickness	4.0 mil (102 microns)
Standard Size	
Roll Length 1,500 ft. (457.2 m)	36 in. (91.4 cm)

Part Numbers and Sizes	Typical Value	
<b>3M™ Conductive Tubing 1724</b>		
Type	Lay Flat Conductive Tubing	
Film Thickness	4.0 mil (102 microns)	
Standard Sizes		
Roll Length 500 ft. (152.4)	5 in. W (12.7 cm) 12 in. W (30.5 cm)	
<b>Specifications</b>		
Property	Test Method	Typical Value
Thickness	ASTM D2103	4 mil (102 microns)
Strength		
Breaking Factor	ASTM D882	8 lbs./in.
Puncture	Fed Std 101	7 lbs.
Heat Seal Parameters		
Temperature		250°F
Time		3.0-5.0 sec.
Pressure		20-60 PSI
Vicat Softening Temperature	ASTM D1525	83°C
Electrical Properties		
Volume Resistivity	ASTM D991	<500 ohm-cm
Static Decay	EIA-541	<2 sec.
Chemical Susceptibility		
Dilute Acids and Alkalies	ASTM D543	Resistant
Alcohols (Isopropanol)		Resistant
Hydrocarbons (Acetone)		Moderate attack
Ketones (Acetone)		Slight attack
Gasoline		Moderate attack
Aromatic Hydrocarbons (Toluene)		Severe attack

\*Physical characteristics will change with other thicknesses.

## 3M™ Conductive Film Products

3M is a trademark of 3M Company.

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