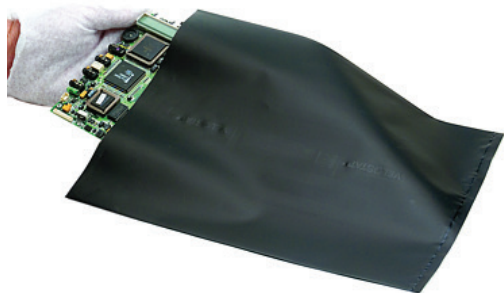


### 3M™ Conductive Film Products

#### 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.



# Product Data Sheet

## 3M™ Conductive Film Products

Part Numbers and Sizes	Typical Value
3M™ Conductive Bags 2004	
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)
3M™ Conductive Drum Liners 2014	
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
3M™ Conductive Film, Short Rolls 1704, 1706, 1708	
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)
3M™ Conductive Film, Long Rolls, 1764	
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	
3M™ Conductive Tubing 1724		
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)	
Specifications		
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.



# Product Data Sheet

## 3M™ Conductive Film Products

3M is a trademark of 3M Company.

### Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



### Electronics Materials Solutions Division Static Control Products

926 JR Industrial Drive  
Sanford, NC 27332-9733  
Toll-Free: 866-722-3736  
International: 919-718-0000  
Email: [3mstaticinfo@mmm.com](mailto:3mstaticinfo@mmm.com)  
[www.3Mstatic.com](http://www.3Mstatic.com)

Printed in USA.  
© 3M 2014. All rights reserved.  
78-9102-1967-0 JHA

### Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for one year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9