

# Conductive Film 1700 Series

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.



### RoHS 2, REACH, and Conflict Minerals Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2015/06/15, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See [SCS Warranty, Limitation of Liability and Remedies](#)

Film is free of amines, silicones and heavy metals.

This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program.

Unless otherwise specified tolerance  $\pm 10\%$ .



## Conductive Film, Short Rolls 1704, 1706

Type	Conductive
Film Thickness for 1704	4.0 mil (102 microns)
Film Thickness for 1706	6.0 mil (152.4 microns)
Standard Sizes	
Roll Length 150 ft. (45.7 m)	36 in. (91.4 cm) (Items: 1704, 1706) 45 in. (114.3 cm) (Item: 1706) 54 in. (137.2 cm) (Items: 1704) 72 in. (182.9 cm) (Items: 1704, 1706)

## 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)

## 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

Specifications and procedures subject to change without notice.

## CONDUCTIVE FILM 1700 SERIES

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**DRAWING NUMBER**  
1700 SERIES

**DATE**  
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Made in the United States of America

