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 ± 10%.

Conductive Film, Short Rolls 1704, 1706	
Type	Conductive
Film Thickness for 1704 Film Thickness for 1706	4.0 mil (102 microns) 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)

Made in the United States of America

Specifications

Property	Test Method	Typical Value
Thickness	ASTM D2103	4 mil (102 microns)
Strength Breaking Factor Puncture	 ASTM D882 Fed Std 101	 8 lbs./in. 7 lbs.
Heat Seal Parameters Temperature Time Pressure		 250°F 3.0-5.0 sec. 20-60 PSI
Vicat Softening Temperature	ASTM D1525	83°C
Electrical Properties Volume Resistivity Static Decay	 ASTM D991 EIA-541	 <500 ohm-cm <2 sec.
Chemical Susceptibility Dilute Acids and Alkalies Alcohols (Isopropanol) Hydrocarbons (Acetone) Ketones (Acetone) Gasoline Aromatic Hydrocarbons (Toluene)	 ASTM D543	 Resistant Resistant Moderate attack Slight attack Moderate attack Severe attack

Specifications and procedures subject to change without notice.

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SCS

DRAWING NUMBER	DATE
1700 SERIES	August 2017

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