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106-20

ELECTRICALLY CONDUCTIVE POLYMER COATED FILM

DESCRIPTION: 106-20 is a medical grade, electrically conductive, polymer coated polyester film composition. It is typically used as a component for fabricating electrodes in medical testing applications. This product has been formulated to have improved conductivity and high electrical dissipation properties. Some added applications for 106-20 include, but are not limited to, emi/rfi shielding, polymer thick film circuitry, membrane switches and electrical static dissipation. 106-20 is available in rolls ranging in widths up to 20 inches and lengths up to 2,000 feet.

PHYSICAL DATA:

Substrate Type	Polyester Film
Substrate Thickness (mils)	3.5 to 4.5 mils
Conductive Coating	CMI #106-12
Conductive Coating Type	Silver/Silver Chloride
Conductive Coating Thickness (mils)	0.3 - 0.6
Crease Resistance	Excellent
Volume Resistivity, max. (Ω -cm)	0.063
Sheet Resistivity, max. (Ω /sq./mil)	25
Solderable	No
Useful Temperature Range ($^{\circ}$ C)	-55to >100
Ph (water extraction)	5.0 to 7.0
Adhesion (CMI TM-14)	Class 3B or better
Shelf Life (as supplied)	2 years or more

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to results or possible infringements on patents.

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