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121-01

ELECTRICALLY CONDUCTIVE POLYMER FILM

DESCRIPTION: 121-01 is an electrically conductive, carbon filled, polymer film. It is typically used as a component for fabricating electrodes in medical testing applications. Some added applications for 121-01 include, but are not limited to, emi/rfi shielding, radar absorption, corrosion resistant electrodes and electrical static dissipation. 121-01 is available in a variety of gauges and roll sizes. 121-01 is provided with a paper support carrier for ease of handling.

PHYSICAL DATA:

Substrate Type	Carbon Filled Polymer
Substrate Thickness	1.0 mils
Crease Resistance	Excellent
Sheet Resistivity, max. (Ω /sq.)	400
Useful Temperature Range ($^{\circ}$ C)	-20 to 70
Elastic Modulus	30,500
Tensile @ Yield (psi)	4700
Elongation @ Yield (%)	24
Tensile @ Break (psi)	4200
Elongation @ Break (%)	100

STORAGE: Shelf Life: 1 year at 25 $^{\circ}$ C.

SAFETY & HANDLING: Do not ingest.

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.

REVISION DATE: 9/16/99 REVISION: A