

LINQSTAT MVCF-4S50K

Carbon filled polyethylene film



- 4 mil film
- Black color
- $\pm 50,000$ ohms/sq Surface resistivity

LINQSTAT MVCF-4S10K is a black, carbon-filled, electrically conductive polyethylene plastic film designed to provide both physical and static protection. With a surface resistivity below 5×10^4 Ω /sq it offers medium-level static protection which means it effectively avoids accumulation of electric charge on itself and the products which it protects. Its easy-grounding nature makes it ideal for packaging where electrostatic contamination is a problem.

MVCF-4S50K is useful in applications where the key is to balance cost versus performance. As a medium-level conductive plastic, the carbon-loading is such that it is low-enough to be cost-effective, while being high enough to meet the electrical requirements of military specification MIL-PRF-81705D Type II and MIL-P-82646A.

Specifications

Property	Value	Unit
Color	Black	-
Chemistry Type	Carbon-Loaded PE	-
Film Thickness	101.6 (4)	um (mil)
Surface Resistivity	± 50000	ohms/sq
Tensile Strength	24.5	mPa
Elongation	>340	%
Melting Temperature	115-130	°C
Thermal Conductivity	0.053	W/(mK)
Density	1	g/cm ³
Volume Resistivity	± 3.5	ohms-cm

Storage and Handling

Shelf life is 5 years if stored in a dry and cool, well ventilated place at room temperature.

The product is supplied in rolls and it's conductivity is unaffected by humidity and age. The film is heat sealable, flexible, and offers exceptional abrasion resistance.

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