

LINQSTAT™ MVCF-8S50K



Carbon filled polyethylene film

- 8 mil film
- Black color
- $\pm 50,000$ ohms/sq surface resistivity

LINQSTAT™ MVCF-8S50K is a black, carbon-filled, electrically conductive polyethylene plastic film designed to provide both physical and static protection. With a surface resistivity below 50,000 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. It's easy-grounding nature makes it ideal for packaging where electrostatic contamination is a problem.

LINQSTAT™ MVCF-8S50K 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
General Properties		
Color	Black	–
Chemistry Type	Carbon-Loaded PE	–
Density	1	g/cm ³
Specific gravity	1.05	–
Film Thickness	200 $\pm$ 20	um
Mechanical Properties		
Tensile Strength	26	MPa
Elongation	>355	%
Electrical Properties		
Surface resistivity	$\pm 50,000$	Ω / sq
Thermal Properties		
Thermal conductivity	0.053	W/m·K
Melting Temperature	115-130	°C

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.