

## Caplinq LINQSTAT™ VCF-40810B

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

### Material Notes:

**Product Description:** LINQSTAT™ VCF-Series is a black, carbon-filled, volume-conductive polyethylene film designed to provide both physical and static protection in numerous semiconductor, electronic, and Smartcard applications. Its easy-grounding nature makes it ideal for packaging where electrostatic contamination is a problem. The film and its conductivity are unaffected by humidity and age. The film is heat-sealable, flexible and offers exceptional abrasion resistance. Additionally, the film gives good thermal stability and has outstanding chemical resistance. The conductive bags meet electrical requirements of the military specification MIL-P-82646.

**Applications:** Protection and storage of static-sensitive components  
Interleaf between rolls of Smartcard modules  
Grounding Mats

**Product Features and Benefits:** Volume-conductive plastic  
Black Opaque - Printable  
Provides anti-static protection to electronic components  
Groundable  
Humidity independent conductivity  
Chemical Susceptibility  
Methanol: Resistant  
Ethanol: Resistant  
Isopropanol: Resistant  
Weak Acids: Resistant  
Ketones (Acetone): Slow Attack  
Weak Alkalines: Slow Attack  
Hydrocarbons: Non-Resistant

Information provided by Caplinq

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Caplinq-LINQSTAT-VCF-40810B.php](http://www.lookpolymers.com/polymer_Caplinq-LINQSTAT-VCF-40810B.php)

Physical Properties	Metric	English	Comments
Thickness	65.0 - 200 microns	2.56 - 7.87 mil	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.8 MPa	2000 psi	ASTM-D882
Film Elongation at Break, MD	330 %	330 %	ASTM-D882
Film Elongation at Break, TD	390 %	390 %	ASTM-D882
Dart Drop Test	380 - 400 g	0.838 - 0.882 lb	50% Failure Weight; ASTM D1709-67
Heat Seal Strength	3.00 - 9.23 g/25 mm	0.00661 - 0.0204 lb/in	Transverse Direction; ASTM-D882
	3.51 - 10.8 g/25 mm	0.00774 - 0.0238 lb/in	Machine Direction; ASTM-D882

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 500 ohm-cm	<= 500 ohm-cm	ASTM-D991
Surface Resistivity per Square	<= 31000 ohm	<= 31000 ohm	MIL 81705C
Static Decay	<= 2.0 sec	<= 2.0 sec	EIA - Std 541

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