

## Caplinq LINQSTAT™ VCF-43036B

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-43036B.php](http://www.lookpolymers.com/polymer_Caplinq-LINQSTAT-VCF-43036B.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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