



...simply better protection

Static Intercept® Data Sheet

Anti-Corrosive Permanently Static Dissipative Polyethylene Bags

Description

Static Intercept® is a revolutionary new technology developed and patented by Bell Labs. Static Intercept® combines the state of the art in ESD and corrosion protection. AT&T determined that most latent defects are the result of corrosion. Corrosion can cause solderability problems, loss of performance and premature failure in the field. Only Intercept protects against both ESD and Corrosion.

- ESD properties are permanent and independent of humidity
- Does not outgas
- Contains no volatile chemicals (**no amides or amines, no anti-stats**)
- Will not contaminate components
- Tribo charging < 20 volts
- Cleanroom compatible
- Extremely low ionic contamination
- **Intercept is fully recyclable**
- **Intercept Meets Mil Spec 81705C**

No other product protects like Intercept

Physical Properties	Typical Values	Test Method
Thickness	3 mils	
Tensile Strength		
Machine Direction	11.5 Lbs/in	ASTM D882
Transverse Direction	9.0 Lbs/in	ASTM D882
Elongation		
Machine Direction	321 %	ASTM D882
Transverse Direction	512 %	ASTM D882
Puncture Resistance	8.0 Lbs	FTMS 101, MTH 2065
Dynamic Coefficient of Friction	.27 (on own surface)	
Moisture Permeation	3 g/m ² (40oC per 24 hrs)	
Sulfur and Chlorine Permeation	0 cc/m ² (for 15 years)	DuPont and AT&T Test
Ozone Permeation	0 cc/m ² (for 15 years)	DuPont and AT&T Test
Heat Seal Strength	6.0 lbs/in	Instron

Electrical Properties	Typical Values	Test Method
Surface Resistivity	10 6-7 Ohms/Sq	Voyager, < 5% RH
Static Decay		
As received	.01 seconds	Mil 81705-C
After 24 Hour Water Shower	.01 seconds	Mil 81705-C
After 160oF Oven Aging	.01 seconds	Mil 81705-C
Static Shielding	< 80 volts	Mil 81705-C
Tribo Charging	< 20 volts	Teflon and Quartz

Chemical Properties	Typical Values	Test Method
Outgassing		
Total Mass Loss	.02 %	ASTM E595
Volatile Condensable Material	.002%	NASA SP-R-0022A
Polycarbonate Compatibility	Pass	EIA 564
Corrosion Test		
Steel	Pass	
Copper	Pass	

These specifications are offered as a guideline and only represent values tested under conditions available for Intercept Technology Group (ITG). Although the information given is, to the best of our knowledge, accurate, reliable and complete, it remains still the users' responsibility to assure the correct application and thus usability. Intercept Technology Group assumes no liability in connection with the use of this information whatsoever. It does not represent a warranty or guarantee of any kind. Our technical and commercial terms and conditions of sale and delivery apply.

Intercept is registered by EMI Corp. © EMI 2001