



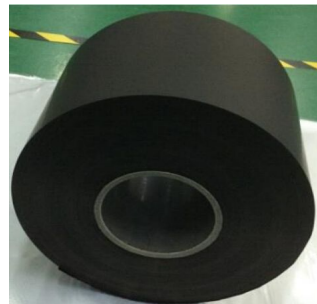
# Shenzhen Btree Industrial Co., Ltd.

## Conductive Polyethylene Film (BT-PE1000 Conductive PE Film)

APPLICATIONS	ELECTRICAL PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD	
<ul style="list-style-type: none"> <li>● Protection and storage of static sensitive components</li> <li>● Interleaf between rolls of Smartcard modules</li> <li>● Grounding Mats</li> </ul>	Volume (Bulk) Resistivity	ohm-cm	< 500	ASTM - D991	
	Volume (Bulk) Conductivity S/cm		> 0.002	ASTM - D991	
	Sheet (Surface) Resistivity (Thickness Dependent)				
PRODUCT FEATURES & BENEFITS	2mil (VCF - 2xxxx Series) Type II Class I	ohms/square	< 100,000	MIL 81705C	
<ul style="list-style-type: none"> <li>● Volume - conductive plastic</li> <li>● Black Opaque - Printable</li> <li>● Provides Anti - Static protection to electronics components</li> <li>● Groundable</li> <li>● Humidity independent conductivity</li> <li>● Meets military specification MIL - P - 82646A</li> </ul>	4mil (VCF - 4xxxx Series) Type II Class I	ohms/square	< 50,000	MIL 81705C	
	8mil (VCF - 8xxxx Series) Type II Class I	ohms/square	< 25,000	MIL 81705C	
	Electrostatic Decay	seconds	< 2.0	EIA – Std 541	
	<b>MECHANICAL PROPERTIES</b>				
	Tensile strength	Mpa	13.8	ASTM - D882	
	Elongation		330%	ASTM - D882	
CHEMICAL SUSCEPTIBILITY	Machine Direction		390%	ASTM - D882	
	Transverse Direction				
<ul style="list-style-type: none"> <li>● Methanol: Resistant</li> <li>● Ethanol: Resistant</li> <li>● Isopropanol: Resistant</li> <li>● Weak Acids: Resistant</li> <li>● Ketones (Acetone): Slow Attack</li> <li>● Weak Alkalines: Slow Attack</li> <li>● Hydrocarbons: Non - Resistant</li> </ul>	Dart Impact Test		grams 390+/- 10	ASTM D1709- 67	
	50% Failure Weight				
	Heat Seal Strength (% of Tensile Strength)				
	Machine Direction 96% ASTM- D882				
	Transverse Direction 82% ASTM- D882				

### DATA RANGES

The data contained herein may be reported as a typical value and/or range values based on actual test data and are verified on a periodic basis.



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