



STATCLEAN TECHNOLOGY (S) PTE. LTD.

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Product Specification

Conductive PE bag / Sheet (STCDB)

Conductive PE bags/sheets are extruded from a conductive compound based on highly conductive carbon black dispersed in modified PE resin with permanent low electrical resistivity. It is highly recommended for packaging and product handling applications where freedom from the hazard of electrostatic discharges is necessary.

Physical Properties	Test Method	Unit	Values
Density at 23°C	ISO-R-1183	mg/m ³	0.98
Tensile strength at break (Transversal)	ISO 1184	mPa	11.3* 12.1**
Tensile strength at break (Longitudinal)	ISO 1184	mPa	8.8* 11.5**
Elongation at break (Transversal)	ISO 1184	%	310* 270**
Elongation at break (Longitudinal)	ISO 1184	%	340* 300**
Volume resistivity	ASTM D 257	ohm cm	<2.5x 10 ⁴ * <1.6 x 10 ⁴ **
Surface resistivity	ASTM D 257	ohm/sq	<10 ⁵

* 100 micron film

** 150 micron film

Dimension Tolerance

Width

+/- 1.0”(2.54mm)

Length

+/- 1.0” (2.54mm)

Thickness

+/- 0.01mm

Shelf-Life

Indefinite

Storage Condition

Sheltered under normal room temperature

Application:

Packaging of semiconductors and devices that requires Electrostatic Control.

NOTE

The specifications in this data sheet are subjected to possible changes due to our continuous improvement programs. The buyer or user shall be responsible for deciding the suitability of the product for his/her intended use.