

Electro Static Discharge Shielding Film - ESD

The ESD Shielding Film is constructed in two layers, consisting of a static dissipative metallised polyester outer layer and a static dissipative polyethylene inner layer.

This film is designed for use in applications where there is a need to eliminate the generation of static electricity such as the packaging of electronic components. The ESD laminated film is manufactured from industry approved polyester and polyethylene.

The polyester dielectric works with the metal layer to provide a Faraday Cage effect that prevents penetration of damaging electrostatic fields.

The specially processed polyethylene keeps tribocharging to a minimum.

This material has a grey metallic appearance.

Bag sizes

W: 70mm – 180mm / L: 100mm – 300mm

Note: New sizes are available subject to testing

Recyclability



This product is not currently recycled

Storage

Store in a dry area, ideal temperature should be between 21-23 C and 45-50% humidity.

Not to be stored in direct sunlight.

Typical Applications

- Electronic components
- PCBs
- Computer components
- Transistors
- Integrated circuits
- Electro-sensitive devices



Technical Information

Compliance	ISO 9001:2015; ISO 14001:2015; BRC
Flexo graphic printing	Yes*
In-line printing	Yes
Trim seal	No
Bag thickness	80um
System compatibility	Autobag

* with limitations

Performance Data:	U/M	80 µm	Test method	Required range
Discharge Shielding (Film)	nJ	<20	ANSI/ESD STM 11.31	<20
Discharge Shielding (Bag)	nJ	<100	ANSI/ESD STM 11.31	<20
Static Dissipative (Interior Surface)	Ω	6.7×10^{10}	IEC 61340-2-3	1×10^5 Rs < 1×10^{11}
Static Dissipative (Exterior Surface)	Ω	2.2×10^{11}	IEC 61340-2-3	1×10^5 Rs < 1×10^{11}

Chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and um thickness reflect ESD material only. Minimum purchase volumes will apply.

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Patent(s): www.autobag.com/patents

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