

RoHS  
Compliant



## Description

The lamination of an ESD transparent static shielding bag is laminated to an anti-static polyethylene. Bubblewrap provides both physical and anti-static protection. The outer layer is an ESD transparent static shielding film. This material forms a Faraday cage around the product, offering superior static shielding protection, while the inner layer of pink anti-static bubblewrap gives excellent physical protection. Both of these materials are qualified to Military Standard B 81705.

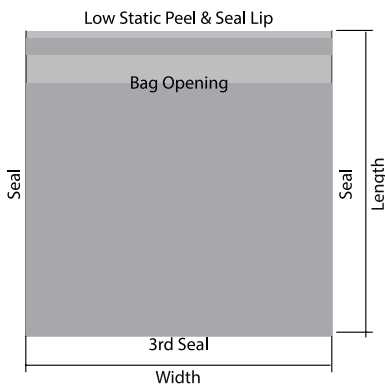
## Features

- Provides 'Faraday Cage' protection against ESD
- Conforms to MIL-PRF-81705D Type III, EIA 625, EIA 541, ANSI/ESD S-20.20
- Semi transparent finish
- This product is fully reusable, protecting both your product and the environment

## Configuration(s):

Our bags are available in custom sizes or in several industry standard sizes.

Bags are offered heat sealed along the three edges and provided with a low static peel and seal lip.



## Test Conditions

The following results were taken under the following environmental test conditions: Temperature: 22°C / Humidity: 46%

Item:	Test Standard:	Result:
Film Composition	N/A	PET-AL/PP
Film Thickness	Micron Meter	2.9mils-3.1mils
Puncture Strength	FTMS 101	14lbs
Seam Strength	MIL-PRF-81705D	Pass
Tensile Strength	ASTM D882	35lbs/inch width
Light Transmission	ASTM D1003	41%
Electrostatic Shielding	MIL-B-81705C	35dB
Interior Surface Resistivity	ASTM D257	10 <sup>10</sup> Ω
Exterior Surface Resistivity	ASTM D257	10 <sup>9</sup> Ω

# Bubble Shield Bag

Item:	Test Standard:	Result:
Metalized Layer Resistivity	ASTM D257	8Ω
Static Decay	EIA-541	0.2secs
Remains Voltage	EIA-541	24V
Physiological clearance certificate of used raw material	Bgvv, EU, FDA	Yes

## Test Conclusion:

The shielding bag is tested accordance with the relevant test standard and requirements.

Test Item:	Test Method:	Measured Equipment(s):	MDL:
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg

## Part Number Table

Description	Part Number
Bubbleshield Bag, 254mm×305mm, PK100	016-0027

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