

Technical Information

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Safeshield Electrostatic shielding shipping boxes

Safeshield shielding cardboard boxes, provide a high shielding performance due to their special shielding layer. The blue inner and outer layers are made of permanent static dissipative material which dissipates charges even at a low relative humidity level.

Features:

- High shielding performance
- Inner and outer permanent static dissipative layers
- Complies with EN 61340-5-1 and ANSI/ESD S20.20-1999
- Good mechanical properties
- Reusable and recyclable
- Corrosion free
- No outgassing of the „inner conductive layer“ and the blue „static dissipative layer“
- Colour: blue, ESD and RESY symbol



Electrical properties:

Property	Typical value	Standard
Surface resistance R_S (inner and outer layer)	$10^9 - 10^{11} \Omega$	EN 61340-5-1
Electrostatic shielding	< 10 nJoule	EN 61340-5-1 (Energy Test)
Decay time (1000V to 100V)	< 2 sec.	EN 61340-5-1

Physical properties:

	Typical value	Standard
Burst resistance	1.950 kPa	BST DIN 53141
Pierce energy	5,3 Joule	PET DIN 53142
Edge squash strength	5,9 kN/m	ECT EN ISO 3037
Abrasion resistance	Very good	DIN 54001/002

Other properties:

Corrosion	None
Galvanic reaction	None
Recycling	RESY 104
Weight	460 g/m ²