



Foam per EN 61340-5

"All generators of electrostatic charges, such as untreated plastic films, foams, synthetic fibres, adhesive tapes, etc., must be prohibited for use as intimate or proximity packaging material and should be kept away from the EPA (ESD Protected Area)". (EN 61340-5-2 section 6)

Inserting terminals in conductive foam will bring all terminals to the same charge level or equipotential protecting the device from a discharge.

"There are two basic points which should be followed throughout:

- only minimal charge, field, or potential should be generated inside an EPA, or should be allowed to come into contact with, or into close proximity to, any ESDS [ESD sensitive items];
- where a charge, field or potential is obtained then it should be removed in a controlled manner.

The most efficient manner of following the two above mentioned basic points in most applications is to provide a resistive path (usually 1 megohm to several tens of megaohms) between an equipotential point and operator, equipment and ESDS. This will allow a controlled current path and will prevent any potential build up." (EN 61340-5-2 DD1 Methods)

- A. This black electrically conductive fine-cell foam is highly inert and supplied in a thickness of 6mm.
- B. This is a firm foam which is non-particulating and therefore suitable for pin insertion.
- C. The foam can be vacuum formed to impart.
- D. It is easily cut or routed.



Property	Typical value	Test method
Density	32kg/m ³	ISO 845
Area weight	0.20kg/m ²	ISO 845
Compression strength		
	25%	55kPa
	60%	190kPa
Compression set at		
	30%	72h, 50% comp., 23°C, ½h
	7%	48h, 20% comp., 23°C, ½h
Electrical properties at 20oC, 15% rH:		
surface resistance	10 ³ - 10 ⁴ Ω	DIN 53482
volume resistance	5 x 10 ³ Ω/cm	ASTM D991-89
Static charge decay time	<0.2s	EIA 541 App F
Recommended operating temperature range	Max +95°C	-
Water absorption	7 days <0.3%vol	DIN 53428 1986

Item	Description
241560	Conductive Closed-Cell Pin-Insertion Foam, 6mm x 1m x 2m, Sheet
241565	Conductive Closed-Cell Pin-Insertion Foam, 6mm x 0.5m x 1m, Sheet
241570	Conductive Closed-Cell Pin-Insertion Foam, 6mm x 0.25m x 0.25m, Sheet
241575	Conductive Closed-Cell Pin-Insertion Foam, 6mm x 0.33m x 0.5m, Sheet



Made in Britain

Vermason

Conductive Closed-Cell Pin-Insertion Foam

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Drawing Number
241560

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