



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]

Unless otherwise noted, tolerance  $\pm 10\%$   
 Specifications and procedures subject to change without notice.

- 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 shape.
- D. It is easily cut or routed.

Property	Typical value	Test method	
Density	32kg/m <sup>3</sup>	ISO 845	
Area weight	0.20kg/m <sup>2</sup>	ISO 845	
Compression strength			
	25%	55kPa	ISO 3386
	60%	190kPa	ISO 1856
Compression set at			
	30%	72h, 50% comp., 23°C, 1/2h	
7%	48h, 20% comp., 23°C, 1/2h		
<b>Electrical properties at 20°C, 15% rH:</b>			
Surface Resistance	10 <sup>3</sup> - 10 <sup>4</sup> ohms	DIN 53482	
Volume Resistance	5 x 10 <sup>3</sup> ohms/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
<a href="#">241560</a>	Conductive Closed-Cell Pin-Insertion Foam, 6mm x 1m x 2m, Sheet
<a href="#">241565</a>	Conductive Closed-Cell Pin-Insertion Foam, 6mm x 0.5m x 1m, Sheet
<a href="#">241570</a>	Conductive Closed-Cell Pin-Insertion Foam, 6mm x 0.25m x 0.25m, Sheet

Made in Germany

## Conductive Closed-Cell Pin-Insertion Foam

# DESCO EUROPE

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