

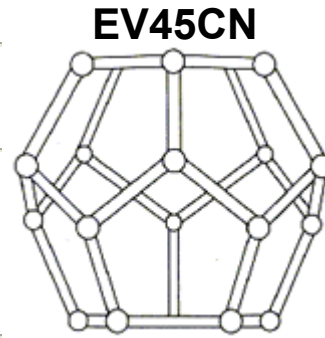
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## Evazote®

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**Ethylene vinyl acetate conductive foam  
45 kg/m<sup>3</sup>**

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## ZOTEGRAM

Evazote foam is a closed cell cross-linked EVA copolymer foam available in sheet form. This data characterises EVA copolymer foam grades EV45CN (45kg/m<sup>3</sup>). The material is suitable for protection of static devices and assemblies,

Property	Test Method	Units	Typical Value
Density Skin/Skin (s/s)	EN ISO 845 1995 BS 4443 Pt1 : 2 1988 DIN 53420 1978	kg/m <sup>3</sup>	45
Recommended operating temperature range	Internal	Max °C	+65
		Min °C	-70
Compression stress - strain characteristics	EN ISO 3386/1 1997 BS 443 Pt1 : 5a 1988		
25% Compression	DIN 53572 1986	kPA	45
40% Compression		kPA	80
50% Compression		kPA	120
60% Compression		kPA	175
Compression set s/s thickness 72 hrs 50% compression 23°C, ½ hr recovery	EN ISO 1856 1996 BS 4443 Pt1 : 6b 1988 DIN 53572 1986	% set	26
48 hrs 20% compression 23°C, ½ hr recovery			5.5
Tear strength	EN ISO 1856 1996 BS 4443 Pt6 : 15 1991	N/m	1195
Tensile strength	ISO 1798 1983 BS 4443 Pt1 : 3a		

Tensile strength	BS 4473 Pt 1 : 3a 1988 DIN 53571 1986	kPA	555
Elongation at break		%	155
Water vapour transmission Temperature = 38°C Relative humidity gradient"	ISO 1663 1981 BS 4370 Pt2 : 8 1993 DIN 53429 1971	µg/m <sup>2</sup> /sec	175
Permeability Sample = 25mm thick		ng/Pa/s/m	0.62
Water absorption	DIN 53428 1986		
1 Day		% vol	<0.1
7 Days		% vol	<0.3
14 Days		% vol	<0.4
28 Days		% vol	<0.5
Thermal conductivity Tested at mean temp of 10°C	ISO 8302 1991 BS 874 Pt2 : 2.1 1986	W/m.K	0.038
Horizontal burning characteristics	ISO 3582 1978 BS 4735 1974		
Thickness 5mm		mm/sec	1.3
Thickness 13mm		mm/sec	0.7
	FMVSS.302		Pass at 5mm thickness and above
Shore hardness 00 scale (min 10mm c/c thickness)	ISO 868 1985 BS 2782: Pt3 Method 365B : 1992		52
Volume resistivity	ASTM D991-89	ohm.cms	10 <sup>3</sup>
Volume resistivity	INT DEF STAN 81-125/1		Pass
<b>Corrosivity</b>			
Contact			Pass
Vapour			Pass
<b>Water extract</b> pH			Pass
Conductivity			Pass
Chlorides			Pass
<b>Total chlorine</b>			Pass
<b>Contact corrosivity</b> Silver, Copper and Zinc surfaces	FED-STD-101C Method 3005		Pass