

Evazote® EV45 CN

Conductive Ethylene Vinyl Acetate Copolymer Foam

Product Information

Typical Values

Evazote® is a closed cell, cross-linked ethylene vinyl acetate copolymer block foam manufactured using Zotefoams unique production process.

The values provided in this product information represent data gathered from random samples of our production of Evazote® EV45 CN foam and represent typical data. These are given to the best of our knowledge and should be considered as guidance for selecting a suitable grade for a given application.

Property	Test Standard	Units	Typical value
Apparent Density			(nominal)
Skin/Skin	BS EN ISO 7214:2012	kg/m ³	45
Cell Size (Cell Diameter)	Internal	mm	0.3
Compression Stress-Strain	BS EN ISO 7214:2012	kPa	
25% compression	25 mm cell-cell		71
50% compression			144
Tensile Strength	BS EN ISO 7214:2012	kPa	704
Tensile Elongation		%	148
Electric Conductance			
Volumetric Resistivity	ASTM D991-89 (R2014)	Ω.cm	2294
Compression Set	BS EN ISO 7214:2012	% set	
25% comp., 22hr, 23°C	25 mm cell-cell		
½ hr recovery			14
24 hr recovery			4
Shore Hardness	BS EN ISO 868:2003		
OO Scale			57
Recommended maximum operating temperature*	Internal	°C	65

* RECOMMENDED MAXIMUM OPERATING TEMPERATURE

The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24hr exposure period, using sample dimensions of 100mm x 100mm x 25mm. This figure is provided for general guidance only. The actual level of shrinkage the foam will undergo at any particular temperature is dependant on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.

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