

Plastazote® LD50CN

Conductive Low Density Polyethylene Foam

Product Information

Typical Values

Plastazote® is a closed cell, cross-linked ethylene co-polymer 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 Plastazote® LD50CN 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 Skin/Skin	BS EN ISO 7214:2012	kg/m ³	50 (nominal)
Cell Size (Cell Diameter)	Internal	mm	0.8
Compression Stress-Strain 25% compression 50% compression	BS EN ISO 7214:2012 25 mm cell-cell	kPa	140 214
Tensile Strength Tensile Elongation	BS EN ISO 7214:2012	kPa %	544 53
Electric Conductance Volumetric Resistivity	ASTM D991-89 (R2014)	Ω.cm	2078
Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	8 4
Shore Hardness OO Scale	BS EN ISO 868:2003		71
Recommended maximum operating temperature*	Internal	°C	105

* 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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