

Plastazote® LD33

Low Density Polyethylene Foam

Product Information

Typical Values

Plastazote® is a closed cell, cross-linked polyethylene 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® LD33 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	33 (nominal)
Cell Size (Cell Diameter)	Internal	mm	0.4
Compression Stress-Strain 25% compression 50% compression	BS EN ISO 7214:2012 25 mm cell-cell	kPa	66 133
Tensile Strength Tensile Elongation	BS EN ISO 7214:2012	kPa %	419 149
Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	8 3
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	1823
Shore Hardness OO Scale	BS EN ISO 868:2003		58
Recommended maximum operating temperature*	Internal	°C	95
Flammability Automotive	FMVSS.302 – Burn rate	<100mm/min.	Pass at 9 mm and above
Water absorption	ISO 2896:2001 Ed3.	%	< 1
Thermal conductivity Mean temperature 10°C	ISO 8301:1991	W/mK	0.039

* 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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Zotefoams plc
675 Mitcham Road
Croydon
Surrey
CR9 3AL
United Kingdom
Telephone: +44 (0) 20 8664 1600
Telefax: +44 (0) 20 8664 1616
www.zotefoams.com

Zotefoams Inc
55 Precision Drive
Walton, Kentucky
41094
USA
Telephone: +1 859 371 40
Freephone: (800) 362-8358
(US Only)
Telefax: +1 859 371 473

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