AZOTE®

Plastazote® LD29

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® LD29** 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/m³	29
Cell Size (Cell Diameter)	Internal	mm	0.8
Compression Stress-Strain	BS EN ISO 7214:2012	kPa	
25% compression	25 mm cell-cell		61
50% compression			126
Tensile Strength	BS EN ISO 7214:2012	kPa	337
Tensile Elongation		%	131
Compression Set	BS EN ISO 7214:2012	% set	
25% comp., 22hr, 23°C	25 mm cell-cell		
½ hr recovery			10
24 hr recovery			3
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	1760
Shore Hardness	BS EN ISO 868:2003		
OO Scale			54
Recommended maximum operating temperature*	Internal	°C	95

*** 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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