

Plastazote® HD80

High 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® HD80** 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	80 (nominal)
Cell Size (Cell Diameter)	Internal	mm	0.6
Compression Stress-Strain 25% compression 50% compression	BS EN ISO 7214:2012 25 mm cell-cell	kPa	485 584
Tensile Strength Tensile Elongation	BS EN ISO 7214:2012	kPa %	1893 85
Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	16 10
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	9000
Shore Hardness OO Scale	BS EN ISO 868:2003		85
Recommended maximum operating temperature*	Internal	°C	125
Water absorption	ISO 2896:2001 Ed3.	%	<2

* 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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