

PLASTAZOTE® HD80

High Density Polyethylene Foam

Plastazote® is a closed cell, cross-linked polyethylene block foam manufactured using Zotefoams' unique production process.

TYPICAL VALUES

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	ISO 7214:2012	kg/m ³	(nominal)
Skin/Skin			80
Cell Size (Cell Diameter)	Internal	mm	0.6
Compression Stress-Strain	ISO 7214:2012	kPa	
25% Compression			484
50% Compression			585
Tensile Strength	ISO 7214:2012	kPa	1913
Tensile Elongation		%	90
Compression Set	ISO 7214:2012	% set	
25% Comp./22 Hour/23°C			
½ Hour Recovery			15
24 Hour Recovery		8	
Tear Strength	ISO 8067:2008 Method B	N/m	8632
Shore Hardness	ISO 868:2003		
OO Scale			89
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 temperature is dependent on several system variables such as, sample dimensions, cell size, loading conditions and exposure period.

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