

PLASTAZOTE® MP45

Premium Durable Foams

Plastazote® lightweight, crosslinked polyethylene block foams are manufactured using Zotefoams unique autoclave technology to satisfy a wide range of applications across multiple industries.

TYPICAL VALUES

The values provided represent data gathered from random samples of our production of the foam and should be considered as guidance for selecting a suitable grade for a given application. This does not constitute a specification.

PROPERTY	TEST STANDARD	UNITS	TYPICAL VALUE
Apparent Density	ISO 7214:2012	kg/m ³	(nominal)
Skin/Skin			45
Cell Size (Cell Diameter)	Internal	mm	0.2
Compression Stress-Strain	ISO 7214:2012	kPa	
25% Compression			85
50% Compression			158
Tensile Strength	ISO 7214:2012	kPa	1007
Tensile Elongation		%	212
Compression Set	ISO 7214:2012	% set	
25% Comp./22 Hour/23°C			
½ Hour Recovery			8
24 Hour Recovery			3
Tear Strength	ISO 8067:2008 Method B	N/m	3844
Shore Hardness	ISO 868:2003		
OO Scale			63
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 temperature is dependent on several system variables such as, sample dimensions, cell size, loading conditions and exposure period.

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