

Plastazote® MP15 FR

Flame-Retarded 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® MP15 FR** 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/m ³	15
Cell Size (Cell Diameter)	Internal	mm	0.7
Compression Stress-Strain	BS EN ISO 7214:2012	kPa	
25% compression	25 mm cell-cell		36
50% compression			93
Tensile Strength	BS EN ISO 7214:2012	kPa	302
Tensile Elongation		%	149
Flammability	CS 25.853 App. F 1a 1ii		12 second test
Aviation	FAR 25.853 App. F 1a 1ii		Pass at 3mm & 12mm
Compression Set	BS EN ISO 7214:2012	% set	
25% comp., 22hr, 23°C	25 mm cell-cell		
½ hr recovery			16
24 hr recovery			7
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	1382
Shore Hardness	BS EN ISO 868:2003		41
OO Scale			
Recommended maximum operating temperature*	Internal	°C	75
Water absorption	ISO 2896:2001 Ed3.	%	<2
Thermal conductivity	ISO 8301:1991	W/mK	0.037
Mean temperature 10°C			

* 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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