

PLASTAZOTE® MP15 FR

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 Skin/Skin	ISO 7214:2012	kg/m ³	(nominal) 15
Cell Size (Cell Diameter)	Internal	mm	0.7
Compression Stress-Strain 25% Compression 50% Compression	ISO 7214:2012	kPa	36 93
Tensile Strength Tensile Elongation	ISO 7214:2012	kPa %	302 149
Compression Set 25% Comp./22 Hour/23°C ½ Hour Recovery 24 Hour Recovery	ISO 7214:2012	% set	16 7
Tear Strength	ISO 8067:2008 Method B	N/m	1347
Hardness OO Scale	ISO 868:2003		41
Recommended Maximum Operating Temperature*	Internal	°C	75
Water Absorption	ISO 2896:2001 Ed. 3	%	<2
Thermal Conductivity (Mean Temperature) 10°C	ISO 8301:1991	W/mK	0.037
PROPERTY	TEST STANDARD	TYPICAL VALUE	
Flammability Aviation	CS 25.853 App. F 1a 1ii FAR 25.853 App. F 1a 1ii	12 second test Pass at 3mm & 12mm	

*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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