

PLASTAZOTE® LD24 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) 24
Cell Size (Cell Diameter)	Internal	mm	0.3
Compression Stress-Strain			
25% Compression	ISO 7214:2012	kPa	52
50% Compression			116
Tensile Strength	ISO 7214:2012	kPa	253
Tensile Elongation		%	101
Compression Set			
25% Comp./22 Hour/23°C	ISO 7214:2012	% set	13
½ Hour Recovery			6
24 Hour Recovery			
Tear Strength	ISO 8067:2008 Method B	N/m	1080
Hardness OO Scale	ISO 868:2003		52
Recommended Maximum Operating Temperature*	Internal	°C	90
Water Absorption	ISO 2896:2001 Ed. 3	%	<1
Thermal Conductivity (Mean Temperature) 10°C	ISO 8301:1991	W/mK	0.034
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	
Flammability UL94	UL94 Ed.7	HF1 Min thickness 3mm	

*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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For details on Zotefoams Management Systems, please visit www.zotefoams.com

Zotefoams UK
675 Mitcham Road
Croydon, Surrey CR9 3AL
United Kingdom
Tel: +44 (0) 20 8664 1600
Email: hello@zotefoams.com

Zotefoams Poland
SP z.o.o.
Parkowa 26
49-318 Skarbimierz,
Osiedle

Zotefoams Inc.
55 Precision Drive
Walton KY, 41094 USA
Tel: +1 859 371 4025
Free: (800) 362-8358 (US Only)

If you would like more information
email: hello@zotefoams.com
or visit our website
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