

PLASTAZOTE® LD24

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			24
Cell Size (Cell Diameter)	Internal	mm	0.3
Compression Stress-Strain	ISO 7214:2012	kPa	
25% Compression			53
50% Compression			117
Tensile Strength	ISO 7214:2012	kPa	332
Tensile Elongation		%	122
Flammability Automotive	FMVSS.302 – Burn rate	<100mm/min.	Pass at 13mm
Compression Set	ISO 7214:2012	% set	
25% Comp./22 Hour/23°C			
½ Hour Recovery			11
24 Hour Recovery			4
Tear Strength	ISO 8067:2008 Method B	N/m	1254
Shore Hardness	ISO 868:2003		50
OO Scale			
Recommended Maximum Operating Temperature*	Internal	°C	95
Water Absorption	ISO 2896:2001 Ed3.	%	<1
Thermal Conductivity	ISO 8301:1991	W/mK	0.036
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 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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