

# PLASTAZOTE® LD24 FM

## 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
<b>Apparent Density</b> Skin/Skin	ISO 7214:2012	kg/m <sup>3</sup>	(nominal) 24
<b>Cell Size (Cell Diameter)</b>	Internal	mm	0.2
<b>Compression Stress-Strain</b> 25% Compression 50% Compression	ISO 7214:2012	kPa	53 118
<b>Tensile Strength</b> <b>Tensile Elongation</b>	ISO 7214:2012	kPa %	280 126
<b>Compression Set</b> 25% Comp./22 Hour/23°C ½ Hour Recovery 24 Hour Recovery	ISO 7214:2012	% set	13 4
<b>Tear Strength</b>	ISO 8067:2008 Method B	N/m	1207
<b>Hardness</b> OO Scale	ISO 868:2003		54
<b>Recommended Maximum Operating Temperature*</b>	Internal	°C	90
<b>Water Absorption</b>	ISO 2896:2001 Ed. 3	%	<2
<b>Thermal Conductivity (Mean Temperature)</b> 10°C	ISO 8301:1991	W/mK	0.034
PROPERTY	TEST STANDARD	TYPICAL VALUE	
<b>Flammability Automotive</b>	FMVSS 302	Burn rate <100mm/min Pass at 2mm	
<b>Flammability Construction – Euroclass</b>	EN 13501:2007 + A1:2009	B, s1, d0 2–10mm	

\*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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