

# PLASTAZOTE® LD45

## 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) 45
<b>Cell Size (Cell Diameter)</b>	Internal	mm	0.4
<b>Compression Stress-Strain</b>			
25% Compression	ISO 7214:2012	kPa	91
50% Compression			164
<b>Tensile Strength</b>	ISO 7214:2012	kPa	537
<b>Tensile Elongation</b>		%	155
<b>Flammability Automotive</b>	FMVSS.302 – Burn rate	<100mm/min.	Pass at 6mm
<b>Compression Set</b>			
25% Comp./22 Hour/23°C	ISO 7214:2012	% set	
½ Hour Recovery			7
24 Hour Recovery			3
<b>Tear Strength</b>	ISO 8067:2008 Method B	N/m	2418
<b>Shore Hardness</b>			
OO Scale	ISO 868:2003		65
<b>Recommended Maximum Operating Temperature*</b>	Internal	°C	100
<b>Water Absorption</b>	ISO 2896:2001 Ed3.	%	<1
<b>Thermal Conductivity</b>			
Mean Temperature 10°C	ISO 8301:1991	W/mK	0.041

\*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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