

# Plastazote® LD24

## Low Density Polyethylene Foam

### Product Information

#### Typical Values

Plastazote® is a closed cell, cross-linked polyethylene block foam manufactured using Zotefoams unique production process.

The values provided in this product information represent data gathered from random samples of our production of Plastazote® LD24 foam and represent typical data. These are given to the best of our knowledge and should be considered as guidance for selecting a suitable grade for a given application.

Property	Test Standard	Units	Typical value
<b>Apparent Density</b> Skin/Skin	BS EN ISO 7214:2012	kg/m <sup>3</sup>	24 (nominal)
<b>Cell Size</b> (Cell Diameter)	Internal	mm	0.3
<b>Compression Stress-Strain</b> 25% compression 50% compression	BS EN ISO 7214:2012 25 mm cell-cell	kPa	52 116
<b>Tensile Strength</b>	BS EN ISO 7214:2012	kPa	328
<b>Tensile Elongation</b>		%	123
<b>Compression Set</b> 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery	BS EN ISO 7214:2012 25 mm cell-cell	% set	11 4
<b>Tear Strength</b>	BS EN ISO 8067:2008 Method B	N/m	1267
<b>Shore Hardness</b> OO Scale	BS EN ISO 868:2003		54
<b>Recommended maximum operating temperature*</b>	Internal	°C	95
<b>Flammability</b> <b>Automotive</b>	FMVSS.302 – Burn rate	<100mm/min.	Pass at 13 mm
<b>Water absorption</b>	ISO 2896:2001 Ed3.	%	< 1
<b>Thermal conductivity</b> Mean temperature 10°C	ISO 8301:1991	W/mK	0.036

#### \* 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 particular temperature is dependant on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.

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