

## Technical specification

### Low Density Polyethylene Foam – LD45

**Description** Closed cell polyethylene foam providing brilliant resistance to moisture. Excellent impact & energy absorption properties. Non-toxic. UV resistant offering excellent weather ability.

Properties	Unit	Value	Test method
Density	kg/m <sup>3</sup>	45	BS ISO 7214 1998
Cell Size	mm	0.4	
Tensile Strength	Kpa	560	BS ISO 7214 1998
Elongation at break	%	175	BS ISO 7214 1998
Tear strength	N/m	1150	BS EN ISO 8067 1995
<b>Compressive strength</b>			
10% Compression	kPa	77	BS ISO 7214 1998
25% compression	kPa	94	BS ISO 7214 1998
40% compression	kPa	130	BS ISO 7214 1998
50% compression	kPa	170	BS ISO 7214 1998
Thermal Conductivity (mean temp 10 °C)	W/m.k	0.0420	ISO 8302 1991
Recommended working temperature	°C	-70/+150	Internal
<b>Compression Set, 25% 22h 23 °C, 25 mm cell-cell</b>			
0.5 h recovery	%	7.5	BS ISO 7214 1998
25h recovery	%	2.5	BS ISO 7214 1998
<b>Compression set, 50% 22h 23 °C</b>			
0.5h recovery	%	18.5	
24h recovery	%	10	
Flammability	<100mm/min	5mm and above	FMVSS302
<b>Horizontal Burn</b>			
5mm thick	mm/sec	1.3	ISO 7214 1998
13mm thick	mm/sec	0.7	ISO 7214 1998

This specification is given by our best knowledge and might be submitted to changes.