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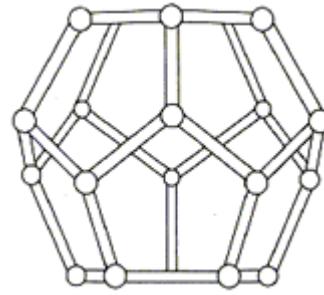
## Plastazote®

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Low density polyethylene foam  
45 kg/m<sup>3</sup>

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**LD45**



### ZOTEGRAM

Plastazote foam is a closed cell cross-linked polyethylene foam available in sheet form. This data characterises LDPE foam grades LD45 (45kg/m<sup>3</sup>). The material will thermoform into simple and complex shapes.

Property	Test Method	Units	Typical Value
Density Skin/Skin (s/s)	EN ISO 845 1995 BS 4443 Pt1 : 2 1988 DIN 53420 1978	kg/m <sup>3</sup>	45
Recommended operating temperature range	Internal	Max °C	+110
		Min °C	-70
Compression stress - strain characteristics	EN ISO 3386/1 1997 BS 443 Pt1 : 5a 1988		
25% Compression	DIN 53572 1986	kPA	50
40% Compression		kPA	90
50% Compression		kPA	135
60% Compression		kPA	210
Compression set s/s thickness 72 hrs 50% compression 23°C, ½ hr recovery	EN ISO 1856 1996 BS 4443 Pt1 : 6b 1988 DIN 53572 1986	% set	22
48 hrs 20% compression 23°C, ½ hr recovery			7
Tear strength	EN ISO 1856 1996 BS 4443 Pt6 : 15 1991	N/m	1030
Tensile strength	ISO 1798 1983 BS 4443 Pt1 : 3a 1988 DIN 53571 1986	kPA	600
Elongation at break		%	150
Water vapour transmission Temperature = 38°C Relative humidity gradient"	ISO 1663 1981 BS 4370 Pt2 : 8 1993 DIN 53429 1971	µg/m <sup>2</sup> /sec	24
Permeability Sample = 25mm thick		ng/Pa/s/m	0.1
Water absorption	DIN 53428 1986		
1 Day		% vol	<0.1

1 Day		% vol	<0.1
7 Days		% vol	<0.3
14 Days		% vol	<0.4
28 Days		% vol	<0.5
Thermal conductivity Tested at mean temp of 10°C	ISO 8302 1991 BS 874 Pt2 : 2.1 1986	W/m.K	0.043
Horizontal burning characteristics	ISO 3582 1978 BS 4735 1974		
Thickness 5mm		mm/sec	1.3
Thickness 13mm		mm/sec	0.8
	FMVSS.302		Pass at 5mm thickness and above
Shore hardness 00 scale (min 10mm c/c thickness)	ISO 868 1985 BS 2782: Pt3 Method 365B : 1992		62