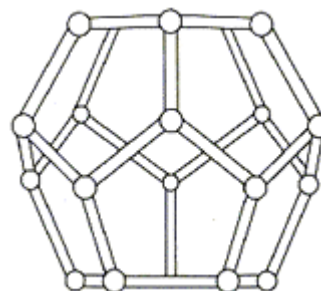




Groupe CELLUTEC

Plastazote®

Low density polyethylene foam
50 kg/m³



LD 50 CN

ZOTEGRAM

Plastazote foam is a closed cell cross-linked polyethylene foam available in sheet form. This data characterises Plastazote conductive grade LD50CN (50kg/m³). The material will thermoform into simple shapes.

Density Skin/Skin (s/s)	EN ISO 845 1995 BS 4443 Pt1 : 2 1988 DIN 53420 1978	kg/m ³	50
Property	Test Method	Units	Typical Value
Recommended operating temperature range	Internal	Max °C	+105
		Min °C	-70
Compression stress - strain characteristics	EN ISO 3386/1 1997 BS 443 Pt1 : 5a 1988		
25% Compression	DIN 53572 1986	kPA	80
40% Compression		kPA	125
50% Compression		kPA	175
60% Compression		kPA	250
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	20
48 hrs 20% compression 23°C.			7

½ hr recovery			
Tear strength	EN ISO 1856 1996 BS 4443 Pt6 : 15 1991	N/m	670
Tensile strength	ISO 1798 1983 BS 4443 Pt1 : 3a 1988 DIN 53571 1986	kPA	610
Elongation at break		%	50
Water absorption	DIN 53428 1986		
1 Day		% vol	<0.1
7 Days		% vol	<0.3
14 Days		% vol	<0.4
28 Days		% vol	<0.6
Thermal conductivity Tested at mean temp of 10°C	ISO 8302 1991 BS 874 Pt2 : 2.1 1986	W/m.K	0.042
Horizontal burning characteristics	ISO 3582 1978 BS 4735 1974		
Thickness 5mm		mm/sec	1.0
Thickness 13mm		mm/sec	0.7
	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		69
Volume resistivity	ASTM D991-89	ohm.cms	10 ³
Volume resistivity	INT DEF STAN 81-125/1		Pass
Corrosivity			
Contact			Pass
Vapour			Pass
Water extract			
pH			Pass
Conductivity			Pass
Chlorides			Pass
Total chlorine			Pass
Contact corrosivity Silver, Copper and Zinc surfaces	FED-STD-101C Method 3005		Pass