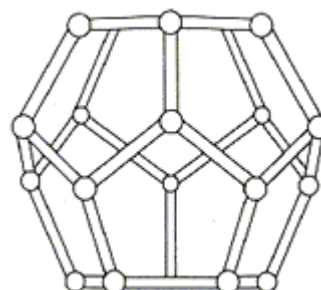




Groupe CELLUTEC

Plastazote®

Low density polyethylene foam
32 kg/m³



LD 32 CN

ZOTEGRAM

Plastazote foam is a closed cell cross-linked polyethylene foam available in sheet form. This data characterises Plastazote conductive grade LD32CN (32kg/m³). The material will thermoform into simple 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 ³	32
Recommended operating temperature range	Internal	Max °C	+95
		Min °C	-70
Compression stress - strain characteristics	EN ISO 3386/1 1997 BS 443 Pt1 : 5a 1988		
25% Compression	DIN 53572 1986	kPA	55
40% Compression		kPA	90
50% Compression		kPA	130
60% Compression		kPA	190
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	30
48 hrs 20% compression 23°C, ½ hr recovery			7

Tear strength	EN ISO 1856 1996 BS 4443 Pt6 : 15 1991	N/m	450
Tensile strength	ISO 1798 1983 BS 4443 Pt1 : 3a 1988 DIN 53571 1986	kPA	370
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	-
Horizontal burning characteristics	ISO 3582 1978 BS 4735 1974		
Thickness 5mm		mm/sec	-
Thickness 13mm		mm/sec	-
	FMVSS.302		-
Shore hardness 00 scale (min 10mm c/c thickness)	ISO 868 1985 BS 2782: Pt3 Method 365B : 1992		55
Volume resistivity	ASTM D991-89	ohm.cms	5x10 ⁹
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
Pin-insertion force	Internal	The force required to insert an IC pin approximately 50% of that required for LD50 Black	