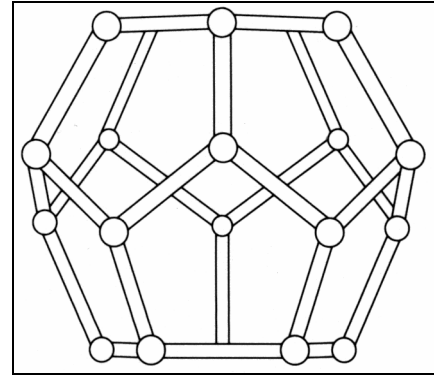


Plastazote® LD30SD

Static Dissipative Low Density Polyethylene Foam Property Data Sheet



Plastazote® is a closed cell, cross-linked polyethylene foam manufactured using Zotefoams unique production process. This data sheet characterises Plastazote foam LD30SD which is available in sheet form and is fabricated by modern techniques and can be thermoformed into shapes.

Property	Test Procedure	Units	LD30SD
Nominal Density - Skin/Skin	BS ISO 7214 1998	kg/m ³	30
Cell Size – Typical Diameter	Internal	mm	0.3
Compression Stress-Strain	BS ISO 7214 1998		
10% compression		kPa	62
25% compression		kPa	78
40% compression		kPa	111
50% compression		kPa	147
Compression Set	BS ISO 7214 1998		
25% comp., 22hr, 23°C	25 mm cell-cell		
½ hr recovery		% set	10
24hr recovery		% set	4.5
50% comp., 22hr, 23°C			
½ hr recovery		% set	22.5
24hr recovery		% set	15
Tensile Strength	ISO 7214 1998	kPa	375
Tensile Elongation		%	60
Tear Strength	BS EN ISO 8067 1995	N/m	385
Shore Hardness OO Scale	ISO 868 1985		
10mm cell/cell thickness		OO	62
Recommended operating temperature range*	Internal	°C	+95 max -70 min
Thermal Conductivity	ISO 8302 1991	W /m.K	0.039
mean temp of 10°C			
Flammability			
Automotive	FMVSS.302 – Burn rate	<100mm/min.	Pass: 8 mm and thicker
Electrical Conductance			
Surface Resistivity	ESD S-11.11 - 1993	ohms/sq.	10 ⁷



*** RECOMMENDED OPERATING TEMPERATURE RANGE**

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. Please refer to Technical Bulletin T2 for more detailed information.

HEALTH & SAFETY

A separate data sheet (T5) entitled "Health and Safety Information" should be consulted.

PRODUCT SPECIFICATION

This Property Data Sheet provides typical properties on representative samples of material. For a product specification please refer to data sheet T7.

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