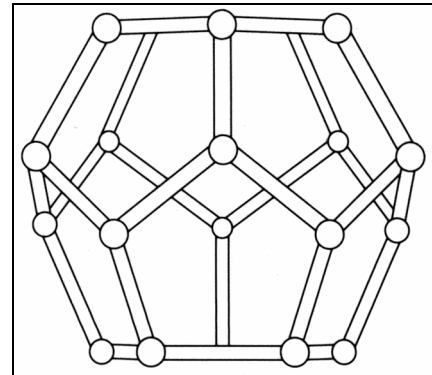


Plastazote® LD33FM

Flame Retarded 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 LD33FM which is available in sheet form and is fabricated by modern techniques and can be thermoformed into shapes.

Property	Test Procedure	Units	LD33FM
Nominal Density - Skin/Skin	BS ISO 7214 1998	kg/m ³	33
Cell Size – Typical Diameter	Internal	mm	0.37
Compression Stress-Strain	BS ISO 7214 1998		
10% compression		kPa	51
25% compression		kPa	68
40% compression		kPa	102
50% compression		kPa	137
Compression Set	BS ISO 7214 1998		
25% comp., 22hr, 23°C	25 mm cell-cell		
½ hr recovery		% set	10
24hr recovery		% set	3.5
50% comp., 22hr, 23°C			
½ hr recovery		% set	22.5
24hr recovery		% set	14.5
Tensile Strength	ISO 7214 1998	kPa	380
Tensile Elongation		%	150
Tear Strength	BS EN ISO 8067 1995	N/m	830
Shore Hardness OO Scale	ISO 868 1985		
10mm cell/cell thickness		OO	55
Recommended operating temperature range*	Internal	°C	+100 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: 2 mm and thicker
Construction	DIN 4102 pt14 – B1		Pass: 6 to 20 mm thick
Horizontal Burn Rate	ISO 7214 1998		
5mm thick		mm/sec	Extinguishes and
13mm thick		mm/sec	melts from flame



*** 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.

**** TEST REPORTS OR CERTIFICATION AVAILABLE ON REQUEST**

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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Zotefoams plc
675 Mitcham Road
Croydon
CR9 3AL
United Kingdom
Telefon: +44 (0) 20 8664 1600
Telefax: +44 (0) 20 8664 1616