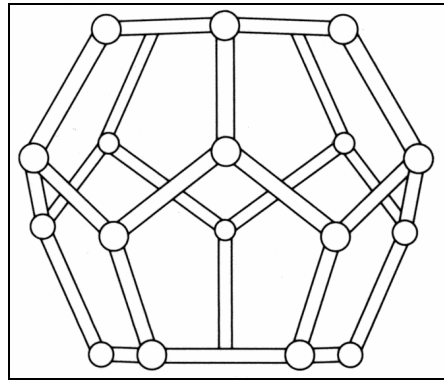


Plastazote® LD30

Low Density Polyethylene Foam Property Data Sheet

Plastazote® is a closed cell, cross-linked polyethylene foam manufactured using Zotefoams unique production process. This provisional data sheet characterises Plastazote foam LD30 which is available in sheet form and is fabricated by modern techniques and can be thermoformed into shapes.



Property	Test Procedure	Units	LD30
Nominal Density - Skin/Skin	BS ISO 7214 1998	kg/m ³	30
Cell Size – Typical Diameter	Internal	mm	0.43
Compression Stress-Strain	BS ISO 7214 1998		
10% compression		kPa	45
25% compression		kPa	63
40% compression		kPa	96
50% compression		kPa	130
Compression Set	BS ISO 7214 1998		
25% comp., 22hr, 23 °C	25 mm cell-cell		
½ hr recovery		% set	10.5
24hr recovery		% set	3
50% comp., 22hr, 23 °C			
½ hr recovery		% set	24
24hr recovery		% set	14.5
Tensile Strength	ISO 7214 1998	kPa	405
Tensile Elongation		%	151
Tear Strength	BS EN ISO 8067 2008 Method A	N/m	677
Shore Hardness OO Scale	ISO 868 1985		
10mm cell/cell thickness		OO	56
Recommended operating temperature range*	Internal	°C	+100 max -70 min
Flammability			
Automotive	FMVSS.302 – Burn rate	<100mm/min.	Pass: 8 mm and thicker



*** 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 Information Sheet TIS 08 for more detailed information.

HEALTH & SAFETY

A separate Technical Information Sheet (TIS 02) 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 Technical Information Sheet TIS 01.

EXCLUSION OF LIABILITY

ZOTEFOAMS MAKES NO WARRANTIES EXPRESS OR IMPLIED, EXCEPT TO THE EXTENT SET OUT IN THE CONDITIONS OF SALE, AND HEREBY SPECIFICALLY EXCLUDES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY GOODS, MATERIALS OR PRODUCTS DESCRIBED HEREIN.

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

Zotefoams Inc.
55 Precision Drive
Walton, Kentucky,
41094
USA
Telephone: +1 859 371 4046
Freephone: (800) 362-8358 (US Only)
Telefax: +1 859 371 4734