

Specification Sheet / 01 LD18 Polyethylene Foam



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

General

Plastazote is a closed cell, cross-linked polyethylene foam manufactured using a unique production process. This data sheet characterises Plastazote foam LD18 which is available in sheet form and is fabricated by modern techniques and can be thermoformed into shapes.

Property	Test Standard	Units	Typical Value
Nominal density	.	.	Nominal
Skin/Skin	BS EN ISO 7214:2012	Kg/m ³	15
Cell Size (Diameter)	Internal	mm	0.4
Compression Stress- Strain 25% compression	BS ISO 7214:2012	kPa	43
Compression Stress- Strain 50% compression	BS ISO 7214:2012	kPa	104
Compression Set 25% comp 22 Hr 23°C 1/2 hr recovery	BS ISO 7214:2012 25mm cell-cell	% Set	14
Compression Set 25% comp 22 Hr 23°C 24 hr recovery	BS ISO 7214:2012 25mm cell-cell	% Set	6
Tensile strength	ISO 7214:2012	kPa	233
Tensile Elongation	ISO 7214:2012	%	108
Tear Strength	BS EN ISO 867:2008	N/m	998
Shore Hardness OO scale 10mm cell/cell thickness	BS EN ISO 868:2003	OO Scale	47
Recommended Maximum Temperature Range*	Internal	°C	85

Change Control Date	Change
15/09/2023	Created

The above figures are average values.

We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No WI007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

