

Specification Sheet / 01 LD29 Polyethylene



ISO9001, ISO14001, ISO45001
Certificate Ref: 11739

Property	Test Procedure	Units	Value
Nominal density- skin/Skin	BS ISO 7214:2012	kg/m ³	29
Cell Size- Typical Diameter	Internal	mm	0.8
Compression Stress- Strain 25% compression	BS ISO 7214:2012	kPa	61
Compression Stress- Strain 50% compression	BS ISO 7214:2012	kPa	126
Compression Set 25% comp 22 Hr 23°C 1/2 hr recovery	BS ISO 7214:2012 25mm cell-cell	% Set	10
Compression Set 25% comp 22 Hr 23°C 24 hr recovery	BS ISO 7214:2012 25mm cell-cell	% Set	3
Tensile Strength	ISO 7214:2012	kPa	337
Tensile Elongation	ISO 7214:2012	%	131
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	1760
Shore Hardness OO scale	ISO 868:2003	OO	54
Recommended Maximum Temperature Range*	Internal	°C	95°C

***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 24 hr 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.

Change Control Date	Change
13/12/2017	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.

