

# Specification Sheet / 01

## XLPE-33 - Closed Cell Cross-Linked Polyethylene Foam



ISO9001, ISO14001, ISO45001  
Certificate Ref: 11739

Description	Test	Standard value	Unit
Density	ISO 845	33	Kg/m <sup>3</sup>
Tensile Strength - MD	ISO 1798	387	kPa
Tensile Strength - TD	ISO 1798	296	kPa
Elongation - MD	ISO 1798	107	%
Elongation - TD	ISO 1798	126	%
Compression 10%	ISO 844	23	kPa
Compression 25%	ISO 844	46	kPa
Compression 50%	ISO 844	107	kPa
Compression Set 25% – 0.5 Hrs	ISO 1856	18	%
Compression Set 25% – 24 Hrs	ISO 1856	7	%
Compression Set 50% – 0.5 Hrs	ISO 1856	42	%
Compression Set 50% – 24 Hrs	ISO 1856	26	%
Working Temperature Range	Internal	-60 \ 90	°C
Water Absorption %Vol (max)	Internal	1	%
Shore	ISO868	55	00

XLPE-33 is a closed cell cross-linked polyethylene foam sheet

Tolerances other than the above may be negotiated.

Dimensional stability 24 hr at 70C < 2%.

If pinholes were created during the foaming process, no more than 6 holes of diameter 2mm per 1m<sup>2</sup> of sheet are acceptable.

MD – machine direction – along the extruder's axis.

TD – traverse direction – Perpendicular to the extruder's axis.

This information on XLPE-33 chemically cross-linked polyethylene foam is presented to the best of our knowledge. Data represents typical values measured on a 10mm thick specimen and should be considered as guidelines only.

Change Control Date	Change
6/8/2020	Created
05/07/2023	Updated



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.

