

Specification Sheet / 01

XLPE-50 - Closed Cell Cross-Linked Polyethylene Foam



ISO9001, ISO14001, ISO45001
Certificate Ref: 11739

Description	Test	Standard value	Unit
Density	ISO 845	50	Kg/m ³
Tensile Strength - MD	ISO 1798	485	kPa
Tensile Strength - TD	ISO 1798	393	kPa
Elongation - MD	ISO 1798	124	%
Elongation - TD	ISO 1798	139	%
Compression 10%	ISO 844	41	kPa
Compression 25%	ISO 844	67	kPa
Compression 50%	ISO 844	140	kPa
Compression Set – 0.5 Hrs	ISO 1856	39	%
Compression Set – 24 Hrs	ISO 1856	22.0	%
Working Temperature Range	Internal	-60 \ 90	°C
Water Absorption %Vol (max)	Internal	1	%
Water Vapour Transmission	ISO 1663	1.05	g/m ² *24h
Thermal Conductivity at 10C	ASTM C177	0.0380	W/mK
Thermal Conductivity at 40C	ASTM C177	0.0420	W/mK
Flammability	FMVSS302	40	mm/min

XLPE-50 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 1m² 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-50 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
17/2/2016	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.

