

## Specification Sheet / 01

### A345 (30kg) Closed Cell Cross-Linked Polyethylene Foam Block



Certificate No. 11738-EMS-001  
ISO 9001:2015 ISO 14001:2015

Description	Test standard	Value	Unit
Density	ISO 845	30	Kg/m <sup>3</sup>
Tensile Strength	ISO 1798	274	kPa
Elongation	ISO 1798	175	%
Compression 10%	ISO 844	43	kPa
Compression 25%	ISO 844	59	kPa
Compression 50%	ISO 844	120	kPa
Compression Set – 0.5 Hrs	ISO 1856	17.0	%
Compression Set – 24 Hrs	ISO 1856	5.0	%
Compression Set 50% 0.5 Hrs	ISO 1856	28.0	%
Compression Set 50% 24 Hrs	ISO 1856	18.0	%
Working Temperature Range	Internal	-60 / 90	°C
Water Absorption %Vol (max)	Internal	1	%
Water Vapour Transmission	ISO 1663	1.65	g/m <sup>2</sup> *24h
Thermal Conductivity at 10°C	ASTM C177	0.0380	W/mK
Thermal Conductivity at 40°C	ASTM C177	0.0420	W/mK
Shore-OO	ASTM D2240	54	oo
Flame retardancy standard	DIN 4102-1 B2		
Comments	If holes were created during the foaming process, no more than 6 holes of diameter 2mm per 100 m <sup>2</sup> sheet are acceptable		

Change Control Date	Change
19/02/2014	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.

