

# Specification Sheet / 01

## A342 100kg Closed Cell Cross-Linked Polyethylene Foam Block



ISO9001, ISO14001, ISO45001  
Certificate Ref: 11738

Description	Standard	Value	Unit
Density	ISO 845	100	Kg/m <sup>3</sup>
Tensile strength	ISO 1798	1485	kPa
Elongation	ISO 1798	128	%
Compression 10%	ISO 844	182	kPa
Compression 20%	ISO 844	228	kPa
Compression 50%	ISO 844	356	kPa
Compression Set - 0.5 Hrs	ISO 1856	4.0	%
Compression Set - 24 Hrs	ISO 1856	2.0	%
Compression Set 50% - 0.5 Hrs	ISO 1856	8.0	%
Compression Set 50% - 24 Hrs	ISO 1856	5.0	%
Working Temperature Range	Internal	-60 / 90	°C
Water Absorption %Vol (max)	Internal	1	%
Flammability	fmvss302	51	mm/min
Thermal Conductivity at 10°C	ASTM C177	0.0500	W/mK
Thermal Conductivity at 40°C	ASTM C177	0.0520	W/mK
Shore - A	ASTM D2240	34	A
Shore - OO	ASTM D2240	79	oo

Tolerances other than the above may be negotiated.

Dimensional stability 24 hr at 70C < 2%.

If holes were created during the foaming process, no more than 6 holes of diameter 2mm per 1m2 sheet are acceptable.

Change Control Date	Change
05/04/2016	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.

