

Specification Sheet (Superceded) / 01 A340 / 100 Closed Cell Expanded Polyethylene



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

Property	Stat	Norm	Unit	Avg	Min	Max
General						
Thickness		ISO1923	mm	3.00	2.70	3.30
Area weight		Internal	g/m ²	285	240	330
Apparent density		ISO845	kg/m ³	95.0	82.0	108.0
Tensile strength @ 23 °C						
Lengthwise at break	Final	ISO1926	kPa	1300	1000	1600
Crosswise at break	Final	ISO1926	KPa	880	660	1100
Tensile elongation @ 23 °C						
Lengthwise	Final	ISO1926	%	240	170	310
Crosswise	Final	ISO1926	%	190	130	250
Compression Stress / Strain						
Deflection 25 %	Prov	ISO3386-1	kPa	140	100	180
Deflection 40 %	Prov	ISO3386-1	kPa	180	130	230
Deflection 50 %	Prov	ISO3386-1	kPa	240	170	310
Compression Set						
Deflection 25 % .5h after discharge	Final	ISO1856-C	%	9	7	11
Deflection 25 % 24h after discharge	Final	ISO1856-C	%	3.2	1.6	6.4
Thermal stability						
Max temperature	Internal	°C				100
Dimensional change length / cross	Prov	Internal	%			-5
Flammability						
Burning speed	Prov	ISO3795	mm/min	N/A	100	N/A
Shore Hardness						
Shore A	Prov	ISO868-1985		29	26	32
Shore 0	Final	ASTM D2240		35	31	39
Shore 00	Final	ASTM D2240		72	65	79
Water Absorption						
Vol % water absorption		ISO2896				1.0
Water Vapour Transmission						

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Water vapour diffusion resistance index	Prov	ISO1663	μ	17000	11900	22100
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Change Control Date	Change
16/08/2013	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 W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

