

# Specification Sheet / 01

## A340 / 30kg i Physically Cross Linked Closed Cell Polyethylene



ISO9001, ISO14001, ISO45001  
Certificate Ref: 11739

### General

Property	Average Values	Units	Test Method
Density	30 ± 10%	kg/m <sup>3</sup>	ISO 845
Hardness	8 - 12	Shore A	TS 2013 EN ISO 1856:1999
Flammability-Automotive*	< 100 mm	mm/min	FMVSS 302
Thermal Conductivity	0,036	W/Mk	TS EN 12667
Water Absorption	max 0,2	kg/m <sup>2</sup>	TS EN 12087:2002
Fire Response Class	E		TS EN 13501-1:2007
Flammability*	Passed		TS EN 11925-2:2004
Utilisation temperature	-40 +100	°C	
Dimensional Stability-transversally (100 °C)	max 5	%	Internal
Dimensional Stability-longitudinally (100 °C)	max 5	%	Internal

### Tensile strength

Lengthwise at Break	240 - 380	kPa	ISO-1926
Crosswise at Break	150 -270	kPa	ISO-1926

### Tensile elongation

Lengthwise at break	100-200	%	ISO-1926
Crosswise at Break	90-170	%	ISO-1926

### Compression Resistance

10% Compression			
25% Compression			
50% Compression			

### Compression Set 25%

25% deflection , 1/2h after discharge	12-25	%	ISO-1856-C
25% deflection, 24h after discharge	6-13	%	ISO-1856-C

### Other properties

• It has a closed cell structure, it is water and moisture resistant.	• It is not affected by chemicals or external environment conditions.
• It has an effective sound and heat insulation capacity.	• It recovers itself after impact, does not cave in.
• It is eco-friendly, and does not contain HCFC and harmful / banned chemicals.	• It can be shaped by heat (thermoforming)].
• It is compatible with RoHS (Restriction of Hazardous Substances) that limits the usage of lead and other toxic substances standards .	• It can be produced as a roll or sheet.



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Specification Sheet / 02  
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Polyethylene



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• It does not contain fungi or bacteria, it is odorless.	* Upon Customer Request. FMVSS 302 flammability tests for thicknesses of 3 mm and below, the materials are overlapped and testing.
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Change Control Date	Created
25/08/2023	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.

