

## Specification Sheet / 01 A347 Soft Grade Expanded PVC



ISO9001, ISO14001, ISO45001  
Certificate Ref: 11738

Property	Result
Roll Length	From 25 m to 100 m according to the thickness
Thickness (mm)	2, 3, 4, 5, 6, 8, 10, 12, 15, 18, 20
Width	1000 mm - 1400 mm
Density	120 kg/m <sup>3</sup>
Colour	White / Grey / Brown / Black

Test	Description	Result
Resistance to deformation under Compression (DIN 53576/B)	Crushing on initial thickness of 25%	69.7
Resistance to deformation under Compression (DIN 53576/B)	Crushing on initial thickness of 40%	109.7
Resistance to deformation under Compression (DIN 53576/B)	Crushing on initial thickness of 65%	301.0
Residual deformation after Compression (DIN 53572) - Room temperature, crushing 50%, 72 hours	Residual deformation after 30 hours	7.9
Residual deformation after Compression (DIN 53572) - Room temperature, crushing 50%, 72 hours	Residual deformation after 4 hours	3.1
Residual deformation after Compression (DIN 53572) - Room temperature, crushing 50%, 72 hours	Residual deformation after 24 hours	1.1
Dimensional stability after heat treatment	4h at 60 °C	1.0
Dimensional stability after heat treatment	4h at 60 °C (Transver.dir)	0.1
Dimensional stability after heat treatment	4h at -30 °C (Longitu.dir)	0.6
Dimensional stability after heat treatment	4h at -30 °C (Transver.dir)	0.6

**Resistance to tensile strength / maximum extension (DIN 53571) And change in terms of dimensions of original sample and after different treatments / ageing.**

Description	Tract N/mm <sup>2</sup>	Extension %	Average %
Original Sample	0.24	137	
Warm (60°C)	0.23`	177	-1
Cold (-30°C)	0.28	131	-0.6
Ageing 24h in steam (hidrolysis 100°C DIN 53578)	0.24	157	-4
In mineral oil DIN 53428	0.48	66	+1
In alcohol DIN 53428	0.40	25	-11
In alkaline solution (NaCl 25%) DIN 53428	0.26	137	+1
In water DIN 53428	0.27	133	+2

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In petrol (iso-octane) DIN 53428	0.57	38	-7
In concentrated acid solution (H <sub>2</sub> SO <sub>4</sub> 40%) DIN 53428	0.26	137	+1
In concentrated alkaline solution (NaOH 40%) DIN 53428	0.27	135	+3

Change Control Date	Change
29/07/2013	Created
25/09/2013	Added descriptive properties



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.

