

Soft Grade Expanded PVC

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

Test	Description	Result
Resistance to deformation under Compression (DIN 35376/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
- Original Sample
- Warm (60°C)
- Cold (-30°C)
- Ageing 24h in steel (hydrolysis 100°C DIN 53578)
- In mineral oil DIN 53428
- In alcohol DIN 53428
- In alkaline solution (NaCl 25%) DIN 53428
- In water DIN 53428
- In petrol (iso-octane) DIN 53428
- In concentrated acid solution (H₂SO₄ 40%) DIN 53428
- In concentrated alkaline solution (NaOH 40%) DIN 53428

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