



FAGERDALA WORLD FOAMS
Fagerdala Alrofoam AG

FAWO[®]LEN foamed Polyethylene Sheet

Specific advantages

- Non-crosslinked HCFC-free expanded Polyethylene sheet (LDPE)
- Closed cell structure with extrusion skin
- Low water absorption and water-vapour transmission rate
- Very good resistance to solvents, fuel oil and other chemicals
- High resiliency and flexibility
- Excellent cushioning behaviour
- Temperature stability from -40 to +70°C
- Good thermal (λ) and impact sound insulation properties (ΔL)
- 100% recyclable and physiologically safe

Technical data

Properties	Methods		Units	FAWOLEN			
				1	2	5	10
Thickness	DIN 53570	ISO 1923	mm	1	2	5	10
Density	DIN 53420	ISO 845	kg/m ³	22	22	22	22
Tensile strength length direction	DIN 53571	ISO 1798	N/mm ²	0.55	0.35	0.35	0.30
Tensile strength cross direction	DIN 53571	ISO 1798	N/mm ²	0.30	0.25	0.20	0.20
Elongation at break length direction	DIN 53571	ISO 1798	%	40	70	80	80
Elongation at break cross direction	DIN 53571	ISO 1798	%	45	45	60	70
Compressive stress at 25% deformation	DIN 53421	ISO 844	N/mm ²	0.02	0.02	0.02	0.03
Compressive stress at 50% deformation	DIN 53421	ISO 844	N/mm ²	0.07	0.08	0.07	0.07
Compression set after 25%/22h	DIN 53572	ISO 1856	%	5	5	5	5
Water-vapour resistivity factor μ (Air = 1)	DIN 52615	ISO 1663	-	-	4100	2900	-
Water absorption 7 days immersion	DIN 53433	ISO 2896	Vol-%	<2	<2	<2	<2
Thermal conductivity λ at 10°C mean	DIN 52612	ISO 8301	W/m.K	-	0.045	0.045	0.050
Burning behaviour	DIN 4102		Class	B 3	B 3	B 3	B 3
Dynamic Stiffness	DIN 52214		MN/m ³	-	50	50	-

- These technical data are typical values and not to be considered specification values.
- To meet specific requirements FAWOLEN foamed PE sheet can contain protective additives like fire-retardants, UV-light stabilizers or anti-statics.

Product range

Types of delivery	Thickness	Width	Length
	[mm]	[mm]	[m]
Rolls	0.8 – 10	80 – 1650	on request
Sheets		20 – 1650	Up to 2.5 m

- Standard colour is natural white.
- Coloured material is available on request for a minimum order size.
- FAWO[®] is registered trademark of Fagerdala World Foams