

TECHNICAL DATA (Status: 10-2007)

StarFlex PRO

Applications

Roof and wall for thermal and acoustic insulation.

Characteristics

- Temperature resistance from -40 to +130 °C
- 100% recyclable and physiologically safe
- High energy absorption
- Resistance to most chemical agents (solvents, petrol and lubricants)
- CFC-free
- High mechanical strength and elasticity
- Low water absorption due to the closed cell structure

	Standard	Unit	Nominal	Tolerances / Rep N°
Material	Non-crosslinked closed cell polypropylene sheets + aluminium foil + non-woven PP			
Haptic	Soft			
Color	Yellow			
Thickness		mm	8	7 - 8,5
Number of layers			5	
Width		mm	1200	1190 - 1210
Packaging	Rolls in carton box	m	30	29,5 - 31
	8 rolls/pallet	m ²	36	
Net weight /roll		kg	23	
Compression Deflection 25 %	ISO 9616	kPa	30	
Compression Deflection 50 %	ISO 9616	kPa	88	
Compression Set 23 °C/ 22h / 50%	ISO 1856	%	10	
Compression Set 40 °C/ 22h / 50%	ISO 1856	%	54	
Longitudinal Resistance to Traction	ISO 1798	N/mm ²	> 2	
Transversal Resistance to Traction	ISO 1798	N/mm ²	> 1,7	
Max. Traction before Ruptur Longitudinal	ISO 198	%	> 70	
Max. Traction before Ruptur Transversal	ISO 198	%	> 70	
Dimensional Stability (85°C/22h)	ISO 2796	%	< 1	
Lambda at 0 °C	ISO 8301	W/m.K	0,033	
Lambda at 20 °C	ISO 8301	W/m.K	0,037	
Fire Resistance	NFP 92-507	class	M1	H021178-CEMATE/1
Thermal Resistance U	BS EN ISO 8990	W/m ² .K	0,63	NPL PP31/E061101787
Thermal Resistance R		m ² .K/W	1,6	

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