

Technical specification

Alveolit TA FR 30

Description Excellent sealing and insulation properties against air, water and dust. Negligible water/humidity absorption. Good chemical and UV-resistance. Easy post fabrication.

Properties	Unit	Value	Test method
Density (apparent)	kg/m ³	33	ISO 845
Cell Size (thickness)	mm	5	ISO 1923
Tensile Strength, 23 °C			
Lengthwise at break	kPa	350	ISO 1926
Crosswise at break	kPa	220	ISO 1926
Tensile Elongation, 23°C			
Lengthwise	%	130	ISO 1926
Crosswise	%	110	ISO 1926
Tear strength	N/m		
Compressive strength			
10% Compression	kPa	20	ISO 3386-1
25% compression	kPa	42	ISO 3386-1
40% compression	kPa	76	ISO 3386-1
50% compression	kPa	110	ISO 3386-1
Thermal Conductivity (mean temp 10 °C)	W/m.k	0.0420	ISO 8302 1991
Recommended working temperature	°C	-	
Compression Set, 25%			
0.5 h recovery	%	18	ISO 1846 C
25h recovery	%	10	ISO 1846 C
Compression set, 50% 22h 23 °C			
0.5h recovery	%	-	
24h recovery	%	-	
Flammability	<100mm/min	-	
Horizontal Burn			
5mm thick	mm/sec	-	
13mm thick	mm/sec	-	
Shore hardness			
Shore A		11	ISO 868 1985
Shore 0		16	ASTM D2240
Shore 00		49	
Water absorption	vol %	1.0	ISO 2896

This specification is given by our best knowledge and might be submitted to changes.