

ALVEOLIT

3. Physical Properties (for indication only)

3.1 Data Sheets 3.1.4 TA, TA FR, TA FRB 3000



Properties	ISO standard	Unit	TA	TA FR	TA FRB
Density	845	kg/m ³	33	33	33
Tensile Strength	1926				
lengthwise		kPa	395	360	295
crosswise		kPa	250	220	195
Tensile Elongation	1926				
lengthwise		%	140	120	115
crosswise		%	120	105	80
Compressive Strength	844				
deflection 10 %		kPa	19	18	17
deflection 25 %		kPa	38	37	37
deflection 50 %		kPa	105	100	100
Compression Set	1856-C				
22 h charge, 23 °C					
deflection 25 %					
0.5 h after discharge		%	21	20	21
24 h after discharge		%	12	12	12
Thermal Conductivity	2581				
at 10 °C		W/mK	0.034	0.034	0.034
at 40 °C		W/mK	0.039	0.039	0.038
Working Temperature Range	internal	°C	-80/+100	-80/+100	-80/+100
Water Absorption (7 days)	internal	vol.%	<1	<1	<1
Water Vapour Transmission	1663	g/m ² x 24 h	-	1.1 (4.8 mm)	1.1 (5.0 mm)
µ-value (23 °C, 0 - 85 % r.h.)	1663	-	-	7300	6700
Shore Hardness 0/00	internal	-	17/49	15/50	15/54

This information on ALVEOLIT, physically crosslinked polyolefin foam, is presented to our best knowledge. All test data are average values (also covering different product thicknesses) and should be considered as guidelines only.

Due to lack of statistical data, this entry might be not complete or might not cover all products presently available.

NL/UK (51/47, 2-6)
NL/UK (10/17, 2-6)
NL/UK (10/0, 3-5)