

TECHNICAL DATA SHEET

Product name: Polifoam Chemically Crosslinked Normal Polyethylene foam sheets

Product sign: FR C30xx N xx=thickness in mm

Technical parameters	Units	Values	Actual values	Test methods
Density:	kg/m ³	30 ± 5	28,1	ISO 845
Thickness:	mm	5 ± 0,6	13,5	ISO 1923
		10 ± 1,0		
		15 ± 1,4		
		20 ± 2,0		
		≥30 ± 10 %		
Tensile strength:	kPa			ISO 1798
Longitudinally		≥200	245	
Transversally		≥200	223	
Elongation at break:	%			ISO 1798
Longitudinally		>70	110	
Transversally		>80	135	
Compression set:(22h, 25%, 23 °C):	%			EN ISO 1856
- 0,5h		<15	12,6	
- 24h		< 8	6,9	
Water absorption:	vol.%	<1,9	1,56	MSZ EN 12087:1999
Compression stress at deflection:	kPa			ISO 3386/1
10%		≥ 16	19	
25%		≥ 35	38	
50%		≥ 90	95	
Vapour diffusion resistance factor:	kg/msPa	9,848x10 ⁻¹⁴		MSZ EN 1931:2000
Dimensional stability (6h, 70 °C) :	%			EN 1604
Longitudinally		≤ - 2,0	-1,6	
Transversally		≤ + 1,0	+0.8	
Shape stability:				
- 6h, 70 °C		Not deformed	Not deformed	
- 72h, 70 °C		Not deformed	Not deformed	
Thermal conductivity:	W/mK			MSZ EN 12667:2001 E
+10 °C		0,042		
Vapour diffusion coefficient (μ):		1982		MSZ EN 1931:2000
Temperature range of application:	°C	Between -45 and +95		
Flammability:		F -easy inflammable		MSZ EN 13501-1:2007 +A1:2010

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