TECHNOFORM

Material data sheet

Insulating strips of **PBT GF30**

Insulation solutions for windows, doors, and facades

TECHNOFORM

PBT GF30

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips	Injection-moulded samples
Melting temperature	EN ISO 11357-3	°C	min. 220 (1)	min. 220 (1)
Density	EN ISO 1183-1 or -3	g/cm³	1,51 +/- 0,05	1,51 +/- 0,05
Annealing residue (glass fibre content)	EN ISO 1172	%	30 +/- 2,5	30 +/- 2,5
Tensile strength	EN ISO 527-2	MPa	≥ 72 (2)	≥ 105 (3)
Young's modulus	EN ISO 527-2	MPa	≥ 4900 (2)	≥ 7900 (3)
Elongation at break	EN ISO 527-2	%	≥ 2,2 (2)	≥ 2,5 (3)
Thermal conductivity	EN 12664	W/mK	0,33 (4)	
Reaction to fire	EN 13501-1	-	class E (5)	

Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024(6)

1) Maximum temperature 300 °C
2) Specimen Type A22 - mean value with minimum sample size of 5 specimens at room temperature - tension measured in extrusion direction
3) Specimen Type A1 - mean value with minimum sample size of 5 specimens at room temperature - tension measured in extrusion direction
4) Statement L1-14-92 FIW München. The measured values according to EN 12664 are statistically corrected (ISO 10456). The declared value can be used for the thermal performance of frames according to ISO 10077-2
5) Report 14-003156-PR01 ift Rosenheim GmbH
6) EN14024:2004 chapter 4.2 Report 12-001212-PR16 ift Rosenheim GmbH (corresponds to EN14024:2023 ch. 5.2 parts a, b, c, d and f)

In case of specific questions we gladly offer you our individual support

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