TECHNOFORM

Material data sheet

Insulating strips of **Low Lambda PA 66 GF25, dry impact resistant**

Insulation solutions for windows, doors, and facades

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Low Lambda PA 66 GF25, dry impact resistant

Characteristic	Reference standard	Unit	Samples from extruded insulating strips	
			Dry [1]	Equilibrium moisture content [2]
Melting temperature	EN ISO 11357-3	°C	≥ 250 [3]	≥ 250 [3]
Density	EN ISO 1183-1 or -3	g/cm³	1.0 +/- 0.1	1.0 +/- 0.1
Annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5
Tensile strength	EN ISO 527-2	N/mm²	≥ 50 [4]	≥ 35 [4]
Young's modulus	EN ISO 527-2	N/mm²	≥ 2900 [4]	≥ 1300 [4]
Elongation at break	EN ISO 527-2	%	≥ 3 [4]	≥8 [4]
Thermal conductivity	EN 12664	W/mK		0.21 [5]
Reaction to fire	EN 13501-1	-		class E [6]

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Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024 [7]

1) Sample water content less than 0.2 % by weight
2) Fast conditioning acc. to EN ISO 1110
3) Maximum temperature 300 °C
4) Specimen Type 1BA - mean value with minimum sample size of 5 specimens at room temperature - tension measured in extrusion direction
5) Statement P1-2019E.1/2015 Fraunhofer-Institut fur Bauphysik IBP. 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
6) Report 24-003930-PR02
7) EN14024:2004 chapter 4.2 Report 15-001437-PR02 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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