TECHNOFORM

Material data sheet

Insulating strips of **PA 66 GF25 PCR 10**
closed-loop, dry impact resistant

Insulation solutions for windows, doors, and facades

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PA 66 GF25 PCR 10 closed-loop, dry impact resistant

Characteristic	Reference standard	Unit	Samples from extruded insulating strips		injection-moulded samples
			Dry [1]	Equilibrium moisture content [2]	Dry [1]
Melting temperature	EN ISO 11357-3	°C	≥ 250 [3]	≥ 250 [3]	min. 250 [3]
Density	EN ISO 1183-1 or -3	g/cm³	1.3 +/- 0.05	1.3 +/- 0.05	1.3 +/- 0.05
Annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5	25 +/- 2.5
Tensile strength	EN ISO 527-2	N/mm²	≥ 80 [4]	≥ 50 [4]	min. 110 [9]
Young's modulus	EN ISO 527-2	N/mm²	≥ 4500 [4]	≥ 2000 [4]	min. 6000 [9]
Elongation at break	EN ISO 527-2	%	≥ 3 [4]	≥7 [4]	min. 3 [9]
Thermal conductivity	EN 12664	W/mK		0.30[5]	
Reaction to fire	EN 13501-1	-		class E [6]	

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The PA 66 GF25 used for production consists of up to10% post consumer recycled materials from closed-loop sources. Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024[7]. The performance of the material is equal to PA 66 GF25, dry impact resistant.[8]

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 A22 - mean value with min. sample size of 5 specimens at room temperature - tension measured in extrusion direction
5) The declared value is taken from ISO 10077-2 and can be used for thermal performance of frames according to the mentioned standard
6) Report 24-003934-PR02 ift Rosenheim GmbH
7) EN14024:2023 section 5.2 Report 24-003459-PR03 GAS-01-K21-11-en-01 ift Rosenheim GmbH
8) Expert Statement No. 24-003459-PR08 GAS-K20-11-en-01 ift Rosenheim GmbH
9) Specimen Type A1

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

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