

Material data sheet

Insulating strips of **Recycled PA 66 GF25**,
dry impact resistant

Recycled PA 66 GF25, dry impact resistant

Characteristic	Reference standard	Unit	Samples from extruded insulating strips		Samples from injection molding
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾	Dry ⁽¹⁾
Melting temperature	EN ISO 11357-3	°C	≥ 250 ⁽³⁾	≥ 250 ⁽³⁾	≥ 250 ⁽³⁾
Density	EN ISO 1183-1 or -3	g/cm ³	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/mm ²	≥ 80 ⁽⁴⁾	≥ 50 ⁽⁴⁾	≥ 110 ⁽⁵⁾
Young's modulus	EN ISO 527-2	N/mm ²	≥ 4500 ⁽⁴⁾	≥ 2000 ⁽⁴⁾	≥ 6000 ⁽⁵⁾
Elongation at break	EN ISO 527-2	%	≥ 3 ⁽⁴⁾	≥ 7 ⁽⁴⁾	≥ 3 ⁽⁵⁾
Thermal conductivity	EN 12664	W/mK		0.30 ⁽⁶⁾	
Reaction to fire	EN 13501-1	-		class E ⁽⁷⁾	

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The PA 66 used for production consists of 100% recycled materials.

Material is suitable to be used as thermal barrier with mechanical functions according to EN 14024⁽⁸⁾

The performance of the material is equal to PA 66 GF25, dry impact resistant.⁽⁹⁾

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 minimum sample size of 5 specimen at room temperature - tension measured in extrusion direction

5) Specimen Type A1

6) The declared value is taken from ISO 10077-2 and can be used for thermal performance of frames according to the mentioned standard

7) Report 24-003934-PR02

8) EN14024:2023 chapter 5.2 Report 24-003816-PR02 ift Rosenheim GmbH

9) Expert Statement No. 15-001076-PR03 GAS-K20-09-en-01 ift Rosenheim GmbH

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

**Insulation solutions for
windows, doors, and facades**