

Material data sheet

Insulating strips of **PA 66 GF25**
– dry impact resistant –

Insulating profiles
for windows, doors
and facades

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Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips		Injection-moulded samples
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾	Dry ⁽¹⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾	min. 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
shore hardness D	EN ISO 868	-	82 +/- 4 ⁽⁴⁾	78 +/- 4 ⁽⁴⁾	84 +/- 2
impact strength	EN ISO 179-1	kJ/m ²	min. 30 or without break ⁽⁵⁾	min. 40 or without break ⁽⁵⁾	min. 35 ⁽⁶⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 80 ⁽⁷⁾	min. 50 ⁽⁷⁾	min. 110 ⁽⁸⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 4500 ⁽⁷⁾	min. 2000 ⁽⁷⁾	min. 6000 ⁽⁸⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3,0 ⁽⁷⁾	min. 7,0 ⁽⁷⁾	min. 3,0 ⁽⁸⁾

- 1) Sample water content less than 0,2 % by weight
2) Fast conditioning acc. to EN ISO 1110 (23°C / 50 %)
3) Maximum temperature 300°C
4) Specimen thickness 2mm, unstacked
5) Specimen Typ 2fU (50 mm x 10 mm x 2mm)
6) Specimen Typ 1fU (80 mm x 10 mm x 4mm)
7) Specimen Typ 1BA
8) Specimen Typ 1A

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

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