

Material data sheet

Insulating strips of
Recycled PA 66 GF25,
dry impact resistant

Insulating profiles
for windows, doors,
and facades.

Material data sheet

Insulating strips of Recycled PA 66 GF25,
dry impact resistant ⁽⁹⁾

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 +/- 4
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 ⁽⁷⁾	min. 7 ⁽⁷⁾	min. 3 ⁽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 2 mm, unstacked
 5) Specimen 2fU (50 mm x 10 mm x 2 mm)
 6) Specimen 1fU (80 mm x 10 mm x 4 mm)

7) Specimen Type 1BA
 8) Specimen Type 1A
 9) The polyamide 66 used consists of 100 % post industrial recycled materials.

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

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