

Material data sheet

Insulating strips of
recycling PA 66 GF25,
dry impact resistant

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dry impact resistant

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 ⁽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.

Insulation solutions for windows, doors, and facades