

Material data sheet

Insulating strips of PA 66 GF40,
dry impact resistant

Insulating profiles
for windows, doors,
and facades.

Material data sheet

**Insulating strips of PA 66 GF40,
dry impact resistant**

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips	
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾
density	EN ISO 1183-1 or -3	g/cm ³	1.45 +/- 0.05	1.45 +/- 0.05
annealing residue (glass fibre content)	EN ISO 1172	%	40 +/- 2.5	40 +/- 2.5
shore hardness D	EN ISO 868	-	83 +/- 4 ⁽⁴⁾	78 +/- 4 ⁽⁴⁾
impact strength	EN ISO 179-1	kJ/m ²	min. 30 or without break ⁽⁵⁾	min. 40 or without break ⁽⁵⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 100 ⁽⁶⁾	min. 60 ⁽⁶⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 5500 ⁽⁶⁾	min. 2500 ⁽⁶⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3 ⁽⁶⁾	min. 7 ⁽⁶⁾

- 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 Type 1BA

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

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