

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 2mm, unstacked
⁵⁾ Specimen Typ 2fU (50 mm x 10 mm x 2mm)
⁶⁾ Specimen Typ 1BA

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