

# Material data sheet

Insulating strips of PA 66 GF40,  
dry impact resistant

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

- <sup>1)</sup> Sample water content less than 0.2 % by weight
- <sup>2)</sup> Fast conditioning acc. to EN ISO 1110 (23 °C / 50 %)
- <sup>3)</sup> Maximum temperature 300 °C
- <sup>4)</sup> Specimen thickness 2 mm, unstacked
- <sup>5)</sup> Specimen 2fU (50 mm x 10 mm x 2 mm)
- <sup>6)</sup> Specimen Type 1BA

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

**Insulation solutions for windows, doors, and facades**