

# Material data sheet

High precision strips of **PBT GF30**

Insulating profiles  
for windows, doors,  
and facades.

# Material data sheet

## High precision strips of PBT GF30

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips <sup>(1)</sup>	Injection-moulded samples <sup>(2)</sup>
melting temperature	EN ISO 11357-3	°C	min. 215	min. 215
density	EN ISO 1183-1 or -3	g/cm <sup>3</sup>	1.53 +/- 0.05	1.53 +/- 0.05
annealing residue (glass fibre content)	EN ISO 1172	%	30 +/- 2.5	30 +/- 2.5
shore hardness D	EN ISO 868	-	82 +/- 4 <sup>(3)</sup>	77 +/- 4
impact strength	EN ISO 179-1	kJ/m <sup>2</sup>	min. 17 <sup>(4)</sup>	min. 30 <sup>(5)</sup>
tensile strength	EN ISO 527-2 and -4	MPa	min. 67 <sup>(6)</sup>	min. 95 <sup>(7)</sup>
Young's modulus	EN ISO 527-2 and -4	MPa	min. 3600 <sup>(6)</sup>	min. 6800 <sup>(7)</sup>
elongation at break	EN ISO 527-2 and -4	%	min. 1.9 <sup>(6)</sup>	min. 2.2 <sup>(7)</sup>

<sup>1)</sup> Water Content less than 0.2 % (EMC 0.2 % at 23 °C/50 % RH )

<sup>2)</sup> Dry as moulded

<sup>3)</sup> Specimen thickness 2 mm unstacked

<sup>4)</sup> Specimen 2fU (50 mm x 10 mm x 2 mm)

<sup>5)</sup> Specimen 1fU (80 mm x 10 mm x 4 mm)

<sup>6)</sup> Specimen Type 1BA

<sup>7)</sup> Specimen Type 1A

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

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