

Material data sheet

High precision strips of **PBT GF30**

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Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips ⁽¹⁾	Injection-moulded samples ⁽²⁾
melting temperature	EN ISO 11357-3	°C	min. 215	min. 215
density	EN ISO 1183-1 or -3	g/cm ³	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 ⁽³⁾	77 +/- 4
impact strength	EN ISO 179-1	kJ/m ²	min. 17 ⁽⁴⁾	min. 30 ⁽⁵⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 67 ⁽⁶⁾	min. 95 ⁽⁷⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 3600 ⁽⁶⁾	min. 6800 ⁽⁷⁾
elongation at break	EN ISO 527-2 and -4	%	min. 1.9 ⁽⁶⁾	min. 2.2 ⁽⁷⁾

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

²⁾ Dry as moulded

³⁾ Specimen thickness 2 mm unstacked

⁴⁾ Specimen 2fU (50 mm x 10 mm x 2 mm)

⁵⁾ Specimen 1fU (80 mm x 10 mm x 4 mm)

⁶⁾ Specimen Type 1BA

⁷⁾ Specimen Type 1A

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

Insulation solutions for windows, doors, and facades