

# Datasheet

## Pocan B3235E 000000

PBT, 30% glass fibers, injection molding, improved flowability, improved electrical tracking resistance (CTI600)

ISO Shortname: ISO 20028-PBT,GF30,GMR,07-100

Property	Test Condition	Unit	Standard	guide value <sup>1</sup>
<b>Rheological properties</b>				
C Melt volume-flow rate	260 °C; 2.16 kg	cm <sup>3</sup> /(10 min)	ISO 1133-1	25
<b>Mechanical properties (23 °C/50 % r. h.)</b>				
C Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	9800
C Tensile Stress at break	5 mm/min	MPa	ISO 527-1,-2	125
C Tensile Strain at break	5 mm/min	%	ISO 527-1,-2	2.5
Izod impact strength	23 °C	kJ/m <sup>2</sup>	ISO 180-1C	50
Flexural modulus	2 mm/min	MPa	ISO 178-A	9000
Flexural strength	2 mm/min	MPa	ISO 178-A	195
Flexural strain at flexural strength	2 mm/min	%	ISO 178-A	3
<b>Thermal properties</b>				
C Melting temperature	10 °C/min	°C	ISO 11357-1,-3	225
C Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	207
<b>Electrical properties (23 °C/50 % r. h.)</b>				
C Comparative tracking index CTI	Solution A	Rating	IEC 60112	600
<b>Other properties (23 °C)</b>				
C Density		kg/m <sup>3</sup>	ISO 1183	1530
<b>Processing conditions for test specimens</b>				
C Injection molding-Melt temperature		°C	ISO 294	260
C Injection molding-Mold temperature		°C	ISO 294	80
<b>Processing recommendations</b>				
Drying temperature circulating air dryer		°C	-	120
Drying time circulating air dryer		h	-	4-8
Residual moisture content		%	Acc. to Karl Fischer	0.00-0.02
Melt temperature (Tmin - Tmax)		°C	-	250-270
Mold temperature		°C	-	80-100

### Notes

**1** Typical properties: these are not to be construed as specifications

**C** These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

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