

# Pocan<sup>®</sup> B3235E

## PBT–GF30

30% Glass Reinforced, Injection Molding, Improved flow

Print Date: 2024–09–17

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b><i>RHEOLOGICAL PROPERTIES</i></b>			
	<i>VALUE</i>		
Melt volume–flow rate	25	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	2.16	kg	ISO 1133
<b><i>MECHANICAL PROPERTIES</i></b>			
	<i>VALUE</i>		
Tensile modulus	9800	MPa	ISO 527–1/–2
Stress at break	120	MPa	ISO 527–1/–2
Strain at break	2.6	%	ISO 527–1/–2
Flexural modulus	9000	MPa	ISO 178
Flexural strength	195	MPa	ISO 178
Flexural strain at flexural strength	3	%	ISO 178–A
<b><i>THERMAL PROPERTIES</i></b>			
	<i>VALUE</i>		
Melting temperature (10°C/min)	225	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	207	°C	ISO 75–1/–2
<b><i>ELECTRICAL PROPERTIES</i></b>			
	<i>VALUE</i>		
Comparative tracking index	600	V	IEC 60112
<b><i>OTHER PROPERTIES</i></b>			
	<i>VALUE</i>		
Density	1530	kg/m <sup>3</sup>	ISO 1183
<b><i>PROCESSING RECOMMENDATIONS</i></b>			
	<i>VALUE</i>		

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## Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Drying temperature circulating air dryer	120	°C	
Drying time circulating air dryer	4-8	h	
Residual moisture content	0.00-0.02	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	250-270	°C	
Mold temperature	80-100	°C	

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