

Pocan® B3235E 000000
PBT-GF30

Envalior

Injection Molding, 30% Glass Reinforced, Improved flow

ISO 1043 PBT-GF30

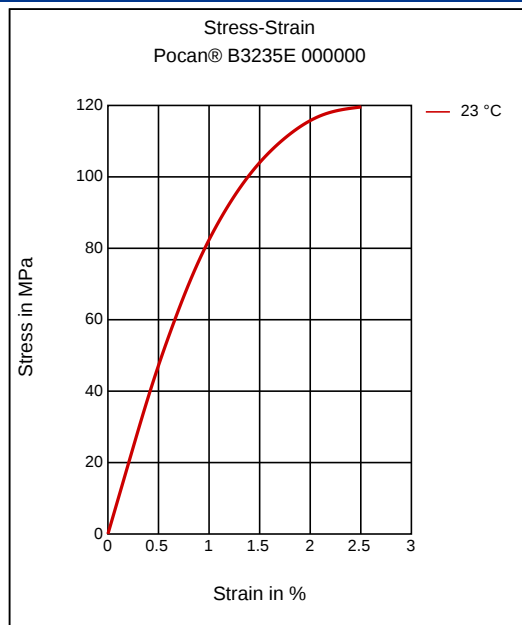
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	25	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9800	MPa	ISO 527
Stress at Break	120	MPa	ISO 527
Strain at Break	2.6	%	ISO 527
Thermal Properties	Value	Unit	Test Standard
ISO Data			
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
Electrical Properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1530	kg/m ³	ISO 1183
Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

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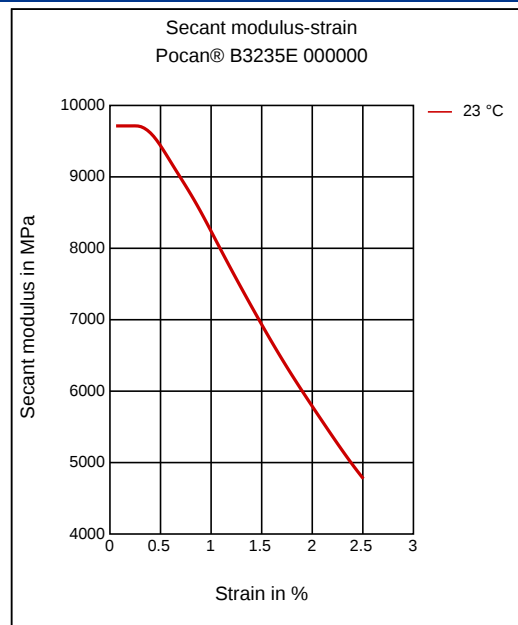
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Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Electrically Conductive, Heat aging stabilized

Injection Molding

PREPROCESSING

Residual moisture content: 0.00 - 0.02 %

Drying temperature circulating air dryer: 120 °C

Drying time circulating air dryer: 4 - 8 h

PROCESSING

Melt temperature (Tmin - Tmax): 250 - 270 °C

Mold temperature: 80 - 100 °C