

Pocan® B3216XHRE 000000
PBT-GF16

Envalior

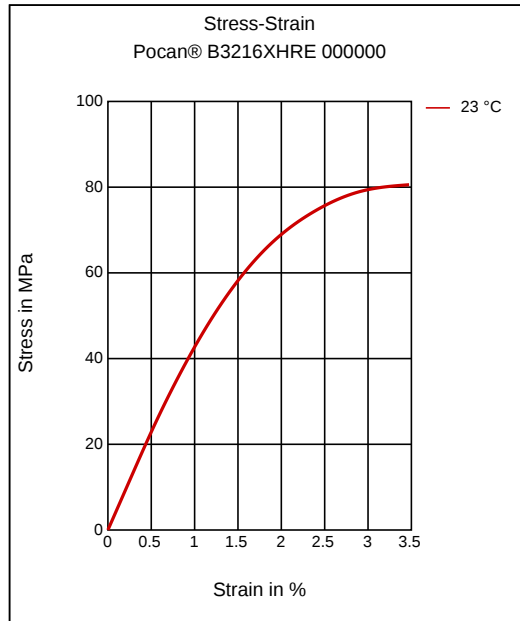
Injection Molding, 16% Glass Reinforced, Hydrolysis resistant, Improved Impact

ISO 1043 PBT-GF16

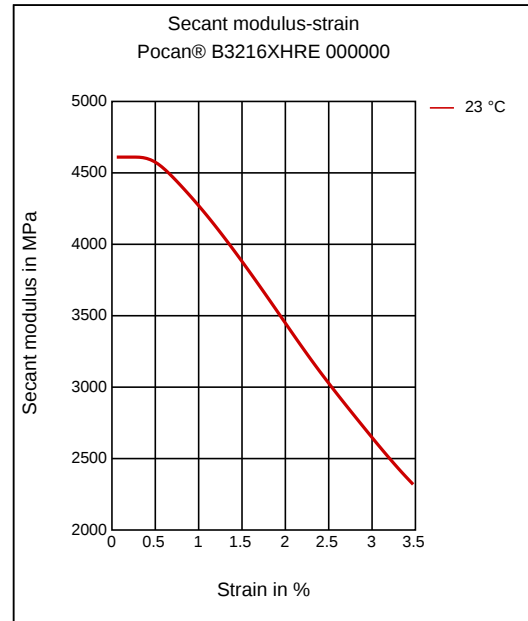
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	35	cm³/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.9	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4600	MPa	ISO 527
Stress at Break	80	MPa	ISO 527
Strain at Break	4.6	%	ISO 527
Impact Strength (Charpy), +23°C	55	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	45	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	12	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	10	kJ/m²	ISO 179/1eA
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)	192	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	218	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	40	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	130	E-6/K	ISO 11359-1/-2
Electrical Properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1350	kg/m³	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

Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Electrically Conductive, Impact modified, Heat aging stabilized

Chemical Resistance

Hydrolysis

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

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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