

Pocan[®] B3217XF 000000

PBT–GF17

16% Glass Reinforced, Injection Molding, Improved flow, Improved Impact

Print Date: 2024–04–27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES		VALUE	
Melt volume–flow rate	35	cm³/10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage (normal)	1.1	%	ISO 294–4
Molding shrinkage (parallel)	0.6	%	ISO 294–4
MECHANICAL PROPERTIES		VALUE	
Tensile modulus	6000	MPa	ISO 527–1/–2
Stress at break	105	MPa	ISO 527–1/–2
Strain at break	3.2	%	ISO 527–1/–2
Flexural modulus	5800	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Flexural strain at flexural strength	4	%	ISO 178–A
Charpy impact strength (+23°C)	45	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	35	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)		kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)		kJ/m²	ISO 179/1eA
Izod impact strength (+23°C)	40	kJ/m²	ISO 180/1U
Izod impact strength (–30°C)	30	kJ/m²	ISO 180–1U
THERMAL PROPERTIES		VALUE	
Melting temperature (10°C/min)	225	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	200	°C	ISO 75–1/–2

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Property Data

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.4	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.3	E-4/°C	ISO 11359-1/-2
ELECTRICAL PROPERTIES	VALUE		
Comparative tracking index	350	V	IEC 60112
OTHER PROPERTIES	VALUE		
Density	1400	kg/m³	ISO 1183

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