

Pocan[®] B3225LT

PBT–GF20

20% Glass Reinforced, Injection Molding, Laser Transparent Black

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	VALUE		
Melt volume–flow rate	20	cm ³ /10min	ISO 1133
Temperature	260	°C	ISO 1133
Load	2.16	kg	ISO 1133
Molding shrinkage (normal)	1	%	ISO 294–4
Molding shrinkage (parallel)	0.5	%	ISO 294–4
MECHANICAL PROPERTIES			
	VALUE		
Tensile modulus	7100	MPa	ISO 527–1/–2
Stress at break	120	MPa	ISO 527–1/–2
Strain at break	3.2	%	ISO 527–1/–2
Flexural modulus	7000	MPa	ISO 178
Flexural strength	195	MPa	ISO 178
Flexural strain at flexural strength	3.6	%	ISO 178–A
Izod impact strength (+23°C)	35	kJ/m ²	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)	205	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75–1/–2
OTHER PROPERTIES			
	VALUE		
Density	1440	kg/m ³	ISO 1183



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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
PROCESSING RECOMMENDATIONS	VALUE		
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)	260–280	°C	
Mold temperature	60–80	°C	

