

Pocan[®] B3223HRLT

PBT-GF20

20% Glass Reinforced, Injection Molding, Hydrolysis resistant, Laser Weldable, Laser Transparent Black

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>VALUE</i>		
Molding shrinkage (normal)	0.9	%	ISO 294-4
Molding shrinkage (parallel)	0.4	%	ISO 294-4
<i>MECHANICAL PROPERTIES</i>			
	<i>VALUE</i>		
Tensile modulus	7400	MPa	ISO 527-1/-2
Stress at break	120	MPa	ISO 527-1/-2
Strain at break	2.7	%	ISO 527-1/-2
Flexural modulus	7000	MPa	ISO 178
Flexural strength	190	MPa	ISO 178
Flexural strain at flexural strength	3.2	%	ISO 178-A
Izod impact strength (+23°C)	30	kJ/m ²	ISO 180/1U
<i>THERMAL PROPERTIES</i>			
	<i>VALUE</i>		
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	175	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215	°C	ISO 75-1/-2
<i>OTHER PROPERTIES</i>			
	<i>VALUE</i>		
Density	1430	kg/m ³	ISO 1183
<i>PROCESSING RECOMMENDATIONS</i>			
	<i>VALUE</i>		
Drying temperature circulating air dryer	120	°C	
Drying time circulating air dryer	4-8	h	

Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Residual moisture content	0.00–0.02	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	260–280	°C	
Mold temperature	60–80	°C	