

## Lanxess Pocan® B 3225 Z 000000 PBT, 20% Glass Fiber (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

### Material Notes:

PBT, 20% glass fibers, injection molding, impact modified

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lanxess-Pocan-B-3225-Z-000000-PBT-20-Glass-Fiber-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Lanxess-Pocan-B-3225-Z-000000-PBT-20-Glass-Fiber-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.40 %	0.40 %	Test Sim. to ISO 62
Moisture Absorption at Equilibrium	0.10 %	0.10 %	23°C/50% R.H.; Test Sim. to ISO 62
Melt Flow	26 g/10 min @Load 2.16 kg, Temperature 260 °C	26 g/10 min @Load 4.76 lb, Temperature 500 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527-1/-2
Elongation at Break	3.3 %	3.3 %	ISO 527-1/-2
Tensile Modulus	6.70 GPa	972 ksi	ISO 527-1/-2
Charpy Impact Unnotched	6.00 J/cm <sup>2</sup> @Temperature 23.0 °C	28.6 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	<= 1.00 J/cm <sup>2</sup> @Temperature -30.0 °C	<= 4.76 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eA
	1.00 J/cm <sup>2</sup> @Temperature 23.0 °C	4.76 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 µm/m-°C	16.7 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	90.0 µm/m-°C	50.0 µin/in-°F	ISO 11359-1/-2
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Thermal Properties	@Thickness 0.800 mm Metric	@Thickness 0.0315 in English	Comments
	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	20 %	20 %	ISO 4589-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	260 °C	500 °F	Injection Molding; ISO 294
Mold Temperature	80.0 °C	176 °F	Injection Molding; ISO 10724

Descriptive Properties	Value	Comments
Additives	Release agent	
Features	High impact or high impact modified	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT,GHMPR,09-070,GF20	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

## Contact Songhan Plastic Technology Co.,Ltd.

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