

Lanxess Pocan® B 3235 000000 PBT, 30% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

PBT, 30% glass fibers, injection molding

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-B-3235-000000-PBT-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	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
Viscosity Test	95 cm ³ /g	95 cm ³ /g	Viscosity number; ISO 307, 1157, 1628
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 260 °C	25 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	140 MPa	20300 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/-2
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527-1/-2
Charpy Impact Unnotched	6.00 J/cm ² @Temperature -30.0 °C	28.6 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	6.50 J/cm ² @Temperature 23.0 °C	30.9 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	<= 1.00 J/cm ² @Temperature -30.0 °C	<= 4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA
Puncture Energy	2.30 J	1.70 ft-lb	ISO 6603-2
	2.50 J @Temperature -30.0 °C	1.84 ft-lb @Temperature -22.0 °F	ISO 6603-2
Tensile Creep Modulus, 1 hour	9800 MPa	1.42e+6 psi	ISO 899-1

Mechanical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	16.7 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ISO 11359-1/-2
CTE, linear, Transverse to Flow	90.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	50.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ISO 11359-1/-2
Melting Point	225 $^{\circ}\text{C}$	437 $^{\circ}\text{F}$	10 $^{\circ}\text{C}/\text{min}$; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	220 $^{\circ}\text{C}$	428 $^{\circ}\text{F}$	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	210 $^{\circ}\text{C}$	410 $^{\circ}\text{F}$	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	165 $^{\circ}\text{C}$	329 $^{\circ}\text{F}$	ISO 75-1/-2
Vicat Softening Point	215 $^{\circ}\text{C}$	419 $^{\circ}\text{F}$	50 $^{\circ}\text{C}/\text{h}$ 50N; ISO 306
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	20 %	20 %	ISO 4589-1/-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00\text{e}+15$ ohm-cm	$\geq 1.00\text{e}+15$ ohm-cm	IEC 60093
Surface Resistance	$\geq 1.00\text{e}+15$ ohm	$\geq 1.00\text{e}+15$ ohm	IEC 60093
Dielectric Constant	3.8	3.8	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	4.0	4.0	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	29.0 kV/mm	737 kV/in	IEC 60243-1
Dissipation Factor	0.0030	0.0030	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	0.018	0.018	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Comparative Tracking Index	350 V	350 V	IEC 60112

Electrical Properties	Metric	English	Comments
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	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT,GHMR,09-100,GF30	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China