

Lanxess Pocan® B 1100 00000 PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Unreinforced, Molded

Material Notes:

PBT, non-reinforced, extrusion, injection molding, improved flowability

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-B-1100-00000-PBT.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Water Absorption	0.50 %	0.50 %	Test Sim. to ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23 ^o C/50% R.H.; Test Sim. to ISO 62
Melt Flow	104 g/10 min @Load 2.16 kg, Temperature 250 ^o C	104 g/10 min @Load 4.76 lb, Temperature 482 ^o F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Modulus	2.70 GPa	392 ksi	ISO 527-1/-2
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	ISO 179/1eU
	@Temperature -30.0 ^o C	@Temperature -22.0 ^o F	
Charpy Impact, Notched	13.0 J/cm ²	61.9 ft-lb/in ²	ISO 179/1eU
	@Temperature 23.0 ^o C	@Temperature 73.4 ^o F	
Charpy Impact, Notched	<= 1.00 J/cm ²	<= 4.76 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 ^o C	@Temperature -22.0 ^o F	
Charpy Impact, Notched	<= 1.00 J/cm ²	<= 4.76 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 ^o C	@Temperature 73.4 ^o F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	130 μ m/m- ^o C	72.2 μ in/in- ^o F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	130 μ m/m- ^o C	72.2 μ in/in- ^o F	ISO 11359-1/-2
Melting Point	225 ^o C	437 ^o F	10 ^o C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	160 ^o C	320 ^o F	ISO 75-1/-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Â°C	140 Â°F	ISO 75-1/-2
Vicat Softening Point	170 Â°C	338 Â°F	50Â°C/h 50N; ISO 306
Flammability, UL94	HB	HB	IEC 60695-11-10
	HB	HB	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	
Oxygen Index	24 %	24 %	ISO 4589-1/-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	IEC 60093
Dielectric Constant	3.2	3.2	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	3.4	3.4	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.0020	0.0020	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.019	0.019	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

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

Descriptive Properties	Value	Comments
Additives	Release agent	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT,G,07-030	
Processing	Coating	
	Film extrusion	

Descriptive Properties	Injection molding Value	Comments
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