Lanxess PocanÂ® B 7375 000000 PBT, White Pigment

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

Material Notes:

PBT, 25% white pigments, injection molding, improved light reflection, low tendency to warp

Order this product through the following link:
http://www.lookpolymers.com/polymer_Lanxess-Pocan-B-7375-000000-PBT-White-Pigment.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/inÂ³	ISO 1183
Water Absorption	0.40 %	0.40 %	Test Sim. to ISO 62
Moisture Absorption at Equilibrium	0.20 %	0.20 %	23Â°C/50% R.H.; Test Sim. to ISO 62
Viscosity Test	105 cmÂ³/g	105 cmÂ³/g	Viscosity number; ISO 307, 1157, 1628
Melt Flow	41 g/10 min @Load 2.16 kg, Temperature 250 Â°C	41 g/10 min @Load 4.76 lb, Temperature 482 Â°F	Calculated from MVR using melt density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
Tensile Modulus	3.50 GPa	508 ksi	ISO 527-1/-2
Charpy Impact Unnotched	5.00 J/cmÂ² @Temperature -30.0 Â°C	23.8 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eU
	10.0 J/cmÂ² @Temperature 23.0 Â°C	47.6 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	<= 1.00 J/cmÂ² @Temperature -30.0 Â°C	<= 4.76 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eA
	<= 1.00 J/cmÂ² @Temperature 23.0 Â°C	<= 4.76 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eA
Puncture Energy	3.20 J	2.36 ft-lb	ISO 6603-2
Tensile Creep Modulus, 1 hour	3400 MPa	493000 psi	ISO 899-1

Mechanical Properties	Metric	English	Comments
Tensile Creep Modulus, 1000 hours	2700 MPa	392000 psi	ISO 899-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 Âµm/m-Â°C	44.4 Âµin/in-Â°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	80.0 Âµm/m-Â°C	44.4 Âµin/in-Â°F	ISO 11359-1/-2
Melting Point	225 Â°C	437 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C	320 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Â°C	158 Â°F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	50.0 Â°C	122 Â°F	ISO 75-1/-2
Vicat Softening Point	185 Â°C	365 Â°F	50Â°C/h 50N; ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	IEC 60695-11-10
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	IEC 60695-11-10
Oxygen Index	20 %	20 %	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+13 ohm	>= 1.00e+13 ohm	IEC 60093
Dielectric Constant	4.2 @Frequency 1.00e+6 Hz	4.2 @Frequency 1.00e+6 Hz	IEC 60250
	4.5 @Frequency 100 Hz	4.5 @Frequency 100 Hz	IEC 60250
Dielectric Strength	26.0 kV/mm	660 kV/in	IEC 60243-1
Dissipation Factor	0.0030 @Frequency 100 Hz	0.0030 @Frequency 100 Hz	IEC 60250
	0.017 @Frequency 1.00e+6 Hz	0.017 @Frequency 1.00e+6 Hz	IEC 60250
Comparative Tracking Index	475 V	475 V	IEC 60112

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,GHMR,09-030,MD25	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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