

Lanxess Pocan® TP 740-201 000000 PBT + ASA, 20% Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , ASA Polymer , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + ASA Blend, Glass Fiber Reinforced

Material Notes:

PBT+ASA, 20% glass fibers, injection molding, low tendency to warp, improved surface finish

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-TP-740-201-000000-PBT-ASA-20-Glass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.433 g/cc	0.05177 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
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ISO 294-4, 2577
Melt Flow	37 g/10 min @Load 2.16 kg, Temperature 270 °C	37 g/10 min @Load 4.76 lb, Temperature 518 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/-2
Tensile Modulus	7.50 GPa	1090 ksi	ISO 527-1/-2
Charpy Impact Unnotched	4.50 J/cm ² @Temperature -30.0 °C	21.4 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Puncture Energy	2.20 J	1.62 ft-lb	ISO 6603-2

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	100 µm/m-°C	55.6 µin/in-°F	ISO 11359-1/-2
Melting Point	225 - 260 °C	437 - 500 °F	10°C/min; ISO 11357-1/-3

Thermal Properties (in psi)	220 °C Metric	428 °F English	ISO 75-1/-2 Comments
Deflection Temperature at 0.46 MPa			
Deflection Temperature at 1.8 MPa (264 psi)	175 °C	347 °F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	120 °C	248 °F	ISO 75-1/-2
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	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	200 V	200 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	270 °C	518 °F	Injection Molding; ISO 294
Mold Temperature	90.0 °C	194 °F	Injection Molding; ISO 10724

Descriptive Properties	Value	Comments
Additives	Release agent	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT+PET+ASA,GHMR,07-080,GF20	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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