

Lanxess Pocan® KU 1-7635 POS151 000000 PBT + PC, 30% Glass Fiber

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Glass Filled , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

PBT+PC, 30% glass fibers, injection molding, low tendency to warp, improved surface finish, UV-stabilized

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-KU-1-7635-POS151-000000-PBT-PC-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183
Water Absorption	0.30 %	0.30 %	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	0.0035 cm/cm	0.0035 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0045 cm/cm	0.0045 in/in	ISO 294-4, 2577
Melt Flow	21 g/10 min @Load 2.16 kg, Temperature 260 °C	21 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	100 MPa	14500 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	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU

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	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1/-2
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	165 °C	329 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ISO 75-1/-2
	HB	HB	

Flammability UL 94 Thermal Properties	Metric @ Thickness 0.800 mm	English @ Thickness 0.0315 in	IEC 60695-11-10 Comments
	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	150 V	150 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	
Features	U.V. stabilized or stable to weather	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT+PC,GHLMR,09-080,GF30	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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