

Lanxess Pocan® KU 1-7625 901510 PBT + PC, 20% Glass Fiber

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

Material Notes:

PBT+PC, 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-KU-1-7625-901510-PBT-PC-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 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 ^o C/50% R.H.; Test Sim. to ISO 62
Viscosity Test	62 cm ³ /g	62 cm ³ /g	Viscosity number; ISO 307, 1157, 1628
Melt Flow	56 g/10 min @Load 5.00 kg, Temperature 260 ^o C	56 g/10 min @Load 11.0 lb, Temperature 500 ^o F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	ISO 527-1/-2
Elongation at Break	4.0 %	4.0 %	ISO 527-1/-2
Tensile Modulus	5.10 GPa	740 ksi	ISO 527-1/-2
Charpy Impact Unnotched	3.50 J/cm ² @Temperature 23.0 ^o C	16.7 ft-lb/in ² @Temperature 73.4 ^o F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	40.0 μ m/m- ^o C	22.2 μ in/in- ^o F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	70.0 μ m/m- ^o C	38.9 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)	156 ^o C	313 ^o F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	110 ^o C	230 ^o F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

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

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+PC,GHMR,09-050,GF20	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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