Lanxess PocanÂ® KU 1-7313 000000 PBT + PET, 15% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

Material Notes:

PBT+PET, 15% glass fibers, injection molding, improved surface finish, increased temperature peak load

Order this product through the following link:
http://www.lookpolymers.com/polymer_Lanxess-Pocan-KU-1-7313-000000-PBT-PET-15-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 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	95 cmÂ³/g	95 cmÂ³/g	Viscosity number; ISO 307, 1157, 1628
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 260 Â°C	22 g/10 min @Load 4.76 lb, Temperature 500 Â°F	Calculated from MVR using melt density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
Tensile Modulus	6.50 GPa	943 ksi	ISO 527-1/-2
Charpy Impact Unnotched	3.00 J/cmÂ² @Temperature -30.0 Â°C	14.3 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eU
	3.00 J/cmÂ² @Temperature 23.0 Â°C	14.3 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

Thermal Properties	Metric	English	Comments

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 Âµm/m-Â°C	27.8 Âµin/in-Â°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	110 Âµm/m-Â°C	61.1 Âµin/in-Â°F	ISO 11359-1/-2
Melting Point	225 - 250 Â°C	437 - 482 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	195 Â°C	383 Â°F	ISO 75-1/-2
Vicat Softening Point	195 Â°C	383 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	22 %	22 %	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	3.5 @Frequency 1.00e+6 Hz	3.5 @Frequency 1.00e+6 Hz	IEC 60250
	3.6 @Frequency 100 Hz	3.6 @Frequency 100 Hz	IEC 60250
Dielectric Strength	24.0 kV/mm	610 kV/in	IEC 60243-1
Dissipation Factor	0.0020 @Frequency 100 Hz	0.0020 @Frequency 100 Hz	IEC 60250
	0.017 @Frequency 1.00e+6 Hz	0.017 @Frequency 1.00e+6 Hz	IEC 60250
Comparative Tracking Index	225 V	225 V	IEC 60112

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

Descriptive Properties	Value	Comments
Additives	Release agent	
Features	Heat stabilized or stable to heat	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT+PET,GHMR,09-060,GF15	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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