

Lanxess Pocan® KU 2-7205 000000 PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Extrusion Grade , Polybutylene Terephthalate (PBT), Flame Retardant , Polybutylene Terephthalate (PBT), Unreinforced, Molded

Material Notes:

PBT, non-reinforced, injection molding, extrusion, flame retardant

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-KU-2-7205-000000-PBT.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0021 cm/cm	0.0021 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0022 cm/cm	0.0022 in/in	ISO 294-4, 2577
Melt Flow	41 g/10 min @Load 2.16 kg, Temperature 270 °C	41 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	48.0 MPa	6960 psi	ISO 527-1/-2
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527-1/-2
Elongation at Break	16 %	16 %	ISO 527-1/-2
Elongation at Yield	3.9 %	3.9 %	ISO 527-1/-2
Tensile Modulus	2.70 GPa	392 ksi	ISO 527-1/-2
Charpy Impact Unnotched	15.0 J/cm ² @Temperature 23.0 °C	71.4 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	110 µm/m-°C	61.1 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

Thermal Properties	Metric	English	Comments
Melting Point	123 Å°C	253 Å°F	TGA 10 Å°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	140 Å°C	284 Å°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Å°C	131 Å°F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	48.0 Å°C	118 Å°F	ISO 75-1/-2
Flammability, UL94	V-2	V-2	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	IEC 60695-11-10
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	260 Å°C	500 Å°F	Injection Molding; ISO 294
Mold Temperature	80.0 Å°C	176 Å°F	Injection Molding; ISO 10724

Descriptive Properties	Value	Comments
Additives	Flame retarding agent	
Features	Flame retardant	
Form	Pellets	
ISO Shortname	ISO 7792-1-PBT,GFR,11-030; ISO 1043-PBT FR(17)	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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