

Lanxess Pocan® DP CF 2200 000000 PBT+PC

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

Material Notes:

PBT+PC, non-reinforced, injection molding, flame retardant, impact modified, low tendency to warp

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Pocan-DP-CF-2200-000000-PBTPC.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0090 cm/cm	0.0090 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	ISO 294-4, 2577
Melt Flow	21 g/10 min @Load 5.00 kg, Temperature 260 °C	21 g/10 min @Load 11.0 lb, Temperature 500 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527-1/-2
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527-1/-2
Elongation at Break	17 %	17 %	Nominal; ISO 527-1/-2
Elongation at Yield	2.8 %	2.8 %	ISO 527-1/-2
Tensile Modulus	2.60 GPa	377 ksi	ISO 527-1/-2
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 µm/m-°C	44.4 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 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa			ISO 75-1/-2

Thermal Properties	61.0 Â°C Metric	142 Â°F English	Comments
Flammability, UL94	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.9 @Frequency 1.00e+6 Hz	2.9 @Frequency 1.00e+6 Hz	IEC 60250
	3.3 @Frequency 100 Hz	3.3 @Frequency 100 Hz	IEC 60250
Dissipation Factor	0.014 @Frequency 1.00e+6 Hz	0.014 @Frequency 1.00e+6 Hz	IEC 60250
	0.025 @Frequency 100 Hz	0.025 @Frequency 100 Hz	IEC 60250
Comparative Tracking Index	300 V	300 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
ISO Shortname	ISO 7792-1-PBT+PC,GFHLMPPR,09-020; ISO1043-(PBT+PC) FR(17)	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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