

Lavergne VYTEEN PCGF10BK PC 10% Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

Vyteen PCGF10BK is a 10% fiberglass reinforced general purpose Polycarbonate grade. Features: - Good processability Typical Applications:

- Laptop computer docking - Laser printer gear - Toner cartridge Information provided by Bieglo Gmbh for Lavergne Performance

Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYTEEN-PCGF10BK-PC-10-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	3.2 mm; ASTM D955
Ash	10 %	10 %	ASTM D2854

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	5 mm/min; ASTM D638
Flexural Strength	160 MPa	23200 psi	1.3 mm/min; ASTM D790
Flexural Modulus	3.70 GPa	537 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.850 J/cm @Temperature 23.0 Â°C	1.59 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C	284 Â°F	ASTM D648

Processing Properties	Metric	English	Comments
Feed Temperature	270 - 295 Â°C	518 - 563 Â°F	
Middle Barrel Temperature	280 - 305 Â°C	536 - 581 Â°F	
Front Barrel Temperature	290 - 310 Â°C	554 - 590 Â°F	
Nozzle Temperature	290 - 310 Â°C	554 - 590 Â°F	
Melt Temperature	295 - 315 Â°C	563 - 599 Â°F	
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Injection Pressure	55.0 - 85.0 MPa	7980 - 12300 psi	

Processing Properties

Metric

English

Comments

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