

Lavergne VYPET VNT 1020 Polyester-PC Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

The Vypet 1020 Black is a medium viscosity Polyester and PC alloy, has an excellent balance of stiffness and impact resistance. Features: Excellent Processability; Good Impact Resistance; Good Chemical Resistance. Typical Applications: Automotive; Industrial Information provided by Bieglo Gmbh for Lavergne Performance Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYPET-VNT-1020-Polyester-PC-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	3.2 mm; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	5 mm/min; ASTM D638
Flexural Strength	70.0 MPa	10200 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	5.20 J/cm @Temperature 23.0 Â°C	9.74 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C	203 Â°F	ASTM D648

Processing Properties	Metric	English	Comments
Feed Temperature	245 - 255 Â°C	473 - 491 Â°F	
Middle Barrel Temperature	250 - 260 Â°C	482 - 500 Â°F	
Front Barrel Temperature	255 - 265 Â°C	491 - 509 Â°F	
Nozzle Temperature	260 - 270 Â°C	500 - 518 Â°F	
Melt Temperature	260 - 275 Â°C	500 - 527 Â°F	
Mold Temperature	18.0 - 75.0 Â°C	64.4 - 167 Â°F	
Injection Pressure	69.0 - 138 MPa	10000 - 20000 psi	

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