

Lavergne VYPET VNT 1021 Polyester-PC Alloy

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

Material Notes:

The Vypet 1021 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-1021-Polyester-PC-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 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	51.0 MPa	7400 psi	5 mm/min; ASTM D638
Flexural Strength	85.0 MPa	12300 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.01 GPa	292 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	2.50 J/cm	4.68 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	6.20 J/cm	11.6 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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

Processing Properties	Metric	English	Comments
Feed Temperature	245 - 255 °C	473 - 491 °F	
Middle Barrel Temperature	250 - 260 °C	482 - 500 °F	
Front Barrel Temperature	255 - 265 °C	491 - 509 °F	
Nozzle Temperature	260 - 270 °C	500 - 518 °F	
Melt Temperature	260 - 275 °C	500 - 527 °F	

Mold Temperature Processing Properties	18.0 - 75.0 Å°C Metric	64.4 - 167 Å°F English	Comments
Injection Pressure	69.0 - 138 MPa	10000 - 20000 psi	

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