

Lavergne VYPET VNT 645 PET 45% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 50% Glass Reinforced

Material Notes:

Vypet VNT 645 is a 45% glass reinforced PET injection molding compound designed for electrical and structural applications. Features: High temperature performance; Excellent strength and stiffness; Excellent dimensional stability
 Typical Applications: Electric motors; Brackets; Connectors; Grills
 Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYPET-VNT-645-PET-45-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 2.00 mm	0.0040 in/in @Thickness 0.0787 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.010 cm/cm @Thickness 2.00 mm	0.010 in/in @Thickness 0.0787 in	ASTM D955
Ash	45 %	45 %	ASTM D2854

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	5 mm/min; ASTM D638
Flexural Strength	240 MPa	34800 psi	1.3 mm/min; ASTM D790
Flexural Modulus	14.0 GPa	2030 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.900 J/cm @Temperature 23.0 Â°C	1.69 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	230 Â°C	446 Â°F	ASTM D648

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Middle Barrel Temperature	265 - 275 Â°C	509 - 527 Â°F	
Front Barrel Temperature	270 - 295 Â°C	518 - 563 Â°F	
Nozzle Temperature	275 - 300 Â°C	527 - 572 Â°F	

Melt Temperature Processing Properties	275 - 300 Â°C Metric	527 - 572 Â°F English	Comments
Mold Temperature	95.0 - 120 Â°C	203 - 248 Â°F	
Injection Pressure	55.0 - 85.0 MPa	7980 - 12300 psi	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China