

Lavergne VYPET VNT 840 PET 40% Glass-Mineral Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

Material Notes:

Vypet VNT 840 is a 40% glass/mineral reinforced PET injection molding compound designed for electrical and structural applications, with High Dielectric Strength Features: High temperature performance; Excellent strength & high stiffness; Excellent dimensional stability Typical Applications: Electric motors; Brackets; Connectors Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYPET-VNT-840-PET-40-Glass-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	ISO 1183
Water Absorption	0.060 % @Temperature 23.0 Â°C	0.060 % @Temperature 73.4 Â°F	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.20 mm	0.0050 in/in @Thickness 0.126 in	3.2x7.6x12.6mm; ASTM D955
Linear Mold Shrinkage, Transverse	0.010 cm/cm @Thickness 3.20 mm	0.010 in/in @Thickness 0.126 in	3.2x7.6x12.6mm; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength at Break	120 MPa	17400 psi	5 mm/min; ISO 527
Flexural Strength	177 MPa	25700 psi	2 mm/min; ISO 178
Flexural Modulus	10.479 GPa	1519.9 ksi	2 mm/min; ISO 178
Compressive Strength	126 MPa	18300 psi	1.3 mm/min; ASTM D695
Shear Strength	49.0 MPa	7110 psi	ASTM D732
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	26.0 Âµm/m-Â°C @Temperature 23.0 - 55.0 Â°C	14.4 Âµin/in-Â°F @Temperature 73.4 - 131 Â°F	ASTM E831

Thermal Properties CTE, linear, transverse to Flow	31.0 Åum/m-Å°C Metric	17.2 Åuin/in-Å°F English	Comments ASTM E831
	@Temperature 23.0 - 55.0 Å°C	@Temperature 73.4 - 131 Å°F	
Melting Point	246 Å°C	475 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	222 Å°C	432 Å°F	ISO 75
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.65e+16 ohm-cm	1.65e+16 ohm-cm	ASTM D257
Dielectric Constant	3.8 @Frequency 1000 Hz	3.8 @Frequency 1000 Hz	ASTM D150
Dielectric Strength	28.4 kV/mm @Thickness 1.60 mm, Temperature 23.0 Å°C	721 kV/in @Thickness 0.0630 in, Temperature 73.4 Å°F	500 V/s in oil; ASTM D149
Dissipation Factor	0.0080 @Frequency 1000 Hz	0.0080 @Frequency 1000 Hz	ASTM D150

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Å°C	500 - 518 Å°F	
Middle Barrel Temperature	265 - 275 Å°C	509 - 527 Å°F	
Front Barrel Temperature	270 - 295 Å°C	518 - 563 Å°F	
Nozzle Temperature	275 - 300 Å°C	527 - 572 Å°F	
Melt Temperature	275 - 300 Å°C	527 - 572 Å°F	
Mold Temperature	75.0 - 120 Å°C	167 - 248 Å°F	

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