

## Lavergne VYPET VNT 230 PET - PBT 30% Glass Reinforced Polyester

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

### Material Notes:

Vypet VNT 230 is a 30% fiberglass reinforced modified PBT/PET polyester injection molding compound designed for electrical applications requiring improved surface aesthetics and improved UV resistance. Features: High temperature performance; Excellent strength and stiffness; Excellent dimensional stability. Typical Applications: Electrical motors; 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-230-PET-PBT-30-Glass-Reinforced-Polyester.php](http://www.lookpolymers.com/polymer_Lavergne-VYPET-VNT-230-PET-PBT-30-Glass-Reinforced-Polyester.php)

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in <sup>3</sup>	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	30 %	30 %	ASTM D2854

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	5 mm/min; ASTM D638
Flexural Strength	190 MPa	27600 psi	1.3 mm/min; ASTM D790
Flexural Modulus	9.80 GPa	1420 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.700 J/cm @Temperature 23.0 Â°C	1.31 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 Â°F	ASTM D648

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Middle Barrel Temperature	270 - 275 Â°C	518 - 527 Â°F	
Front Barrel Temperature	275 - 280 Â°C	527 - 536 Â°F	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 290 Â°C	527 - 554 Â°F	
Mold Temperature	75.0 - 100 Â°C	167 - 212 Â°F	
Injection Pressure	55.0 - 85.0 MPa	7980 - 12300 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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