

## Lavergne VYPET VNT 630 FR PET 30% Glass Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced , Polyethylene Terephthalate (PET), Glass Fiber Filled, Flame Retardant

### Material Notes:

Vypet VNT 630 FR is a 30% fiberglass reinforced flame retardant PET injection molding compound designed for electrical and structural applications. Features: Flame retardant; UL yellow card file E216152; Excellent strength and stiffness; Excellent dimensional stability. Typical Applications: Electrical parts; Appliances; Electronic applications. Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lavergne-VYPET-VNT-630-FR-PET-30-Glass-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Lavergne-VYPET-VNT-630-FR-PET-30-Glass-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 2.00 mm	0.0020 in/in @Thickness 0.0787 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0090 cm/cm @Thickness 2.00 mm	0.0090 in/in @Thickness 0.0787 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	5 mm/min; ASTM D638
Flexural Strength	215 MPa	31200 psi	1.3 mm/min; ASTM D790
Flexural Modulus	10.2 GPa	1480 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)	228 Â°C	442 Â°F	ASTM D648
Flammability, UL94	V-0 @Thickness 0.850 mm	V-0 @Thickness 0.0335 in	
	5VA @Thickness 1.50 mm	5VA @Thickness 0.0591 in	
	5VA @Thickness 3.00 mm	5VA @Thickness 0.118 in	

Thermal Properties	Metric	English	Comments
	960 Å°C	1760 Å°F	1 mm; IEC 60695-2-13 GWFI at 1.0 mm; IEC 60695-2-13

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	29.0 kV/mm	737 kV/in	ASTM D149
Comparative Tracking Index	15 - 30 V	15 - 30 V	UL746

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 - 290 Å°C	518 - 554 Å°F	
Nozzle Temperature	275 - 295 Å°C	527 - 563 Å°F	
Melt Temperature	275 - 295 Å°C	527 - 563 Å°F	
Mold Temperature	95.0 - 120 Å°C	203 - 248 Å°F	
Injection Pressure	55.0 - 85.0 MPa	7980 - 12300 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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