

Lavergne VYPET VNT 325 PET 25% Glass - Mineral Reinforced

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

Material Notes:

Vypet 325 is a 25% glass/mineral reinforced PET injection molding compound designed for electrical and structural applications. Features: High temperature performance; Good balance resilience-stiffness; Low warpage
 Typical Applications: Electric parts; Brackets/Connectors; Heat resistant handles
 Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lavergne-VYPET-VNT-325-PET-25-Glass-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 2.00 mm	0.0050 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
Ash	25 %	25 %	ASTM D2854

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	5 mm/min; ASTM D638
Flexural Strength	155 MPa	22500 psi	1.3 mm/min; ASTM D790
Flexural Modulus	7.00 GPa	1020 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.600 J/cm @Temperature 23.0 Â°C	1.12 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 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 - 290 Â°C	527 - 554 Â°F	

Processing Properties	Metric	English	Comments
Mold Temperature	215 - 300 Å C	520 - 572 Å F	
Mold Temperature	95.0 - 120 Å C	203 - 248 Å F	
Injection Pressure	55.0 - 85.0 MPa	7980 - 12300 psi	

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