

## Lavergne VYPET PBT 6300 BK PBT Unreinforced, Impact Modified

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Impact Grade , Polybutylene Terephthalate (PBT), Unreinforced, Molded

### Material Notes:

Vypet PBT 6300 BK is an unreinforced PBT injection molding compound offering excellent dimensional stability, chemical resistance, low moisture absorption and good electrical properties. Features: High surface gloss; Excellent lubricity; Chemical resistant to most oils and grease. Typical Applications: Pumps; Door handle; Tank covers. Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lavergne-VYPET-PBT-6300-BK-PBT-Unreinforced-Impact-Modified.php](http://www.lookpolymers.com/polymer_Lavergne-VYPET-PBT-6300-BK-PBT-Unreinforced-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.012 cm/cm @Thickness 2.00 mm	0.012 in/in @Thickness 0.0787 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.015 cm/cm @Thickness 2.00 mm	0.015 in/in @Thickness 0.0787 in	ASTM D955
Ash	0.00 %	0.00 %	ASTM D2854

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	54.0 MPa	7830 psi	5 mm/min; ASTM D638
Flexural Strength	88.0 MPa	12800 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.42 GPa	351 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.660 J/cm @Temperature 23.0 Â°C	1.24 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	ASTM D648

Processing Properties	Metric	English	Comments
Feed Temperature	230 - 250 Â°C	446 - 482 Â°F	
Middle Barrel Temperature	240 - 255 Â°C	464 - 491 Â°F	
Front Barrel Temperature	245 - 260 Â°C	473 - 500 Â°F	
Nozzle Temperature	240 - 255 Â°C	464 - 491 Â°F	

Processing Properties	Metric	English	Comments
Mold Temperature	245 - 260 Å C	473 - 500 Å F	
Mold Temperature	60.0 - 80.0 Å C	140 - 176 Å F	
Injection Pressure	55.0 - 85.0 MPa	7980 - 12300 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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