

## Lavergne VYTEEN PC 135 General Purpose Medium Viscosity Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

### Material Notes:

Vyteen PC 135, Black, medium viscosity polycarbonate, has an excellent balance of stiffness and impact resistance. Features: - High heat resistance - Good processability. Information provided by Bieglo GmbH for Lavergne Performance Compounds

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lavergne-VYTEEN-PC-135-General-Purpose-Medium-Viscosity-Polycarbonate.php](http://www.lookpolymers.com/polymer_Lavergne-VYTEEN-PC-135-General-Purpose-Medium-Viscosity-Polycarbonate.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	3.2 mm; ASTM D955
Melt Flow	12 g/10 min @Load 1.20 kg, Temperature 300 °C	12 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	5 mm/min; ASTM D638
Flexural Strength	100 MPa	14500 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.30 GPa	334 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	7.00 J/cm @Temperature 23.0 °C	13.1 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ASTM D648

Processing Properties	Metric	English	Comments
Feed Temperature	255 - 270 °C	491 - 518 °F	
Middle Barrel Temperature	265 - 280 °C	509 - 536 °F	
Front Barrel Temperature	275 - 295 °C	527 - 563 °F	
Nozzle Temperature	275 - 295 °C	527 - 563 °F	
Melt Temperature	275 - 295 °C	527 - 563 °F	
Mold Temperature	65.0 - 95.0 °C	149 - 203 °F	

Injection Pressure Processing Properties	69.0 - 138 MPa Metric	10000 - 20000 psi English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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