

VYPET VNT 935 HP BK

Polyethylene Terephthalate

Lavergne Group

Message:

Vypet VNT-935 HP BK is a 35% glass fibers black PET compound, for injection molding

Features

Very High Tensile Strength

Very high stiffness

High Heat resistance (high DTUL)

RoHS

Typical Applications

Strong structural parts

Brake Booster Valve Bodies

Electrical components

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
Features	Super rigidity		
	High tensile strength		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Components		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Ash Content	35	%	ISO 3451-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ISO 527-2/5
Tensile Stress (Break)	170	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Flexural Modulus ¹	12600	MPa	ISO 178
Flexural Stress ²	265	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	229	°C	ISO 75-2/A

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	260 - 270	°C
Middle Temperature	265 - 275	°C
Front Temperature	270 - 290	°C
Nozzle Temperature	275 - 295	°C
Processing (Melt) Temp	275 - 295	°C
Mold Temperature	95.0 - 120	°C
Injection Pressure	55.0 - 85.0	MPa
Injection Rate	Fast	
Screw Speed	50 - 75	rpm

Injection instructions

Back Pressure: No Back

NOTE

1. 2.0 mm/min
2. 2.0 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

