

VYTEEN PC 135

Polycarbonate

Lavergne Group

Message:

Vyteen PC 135, Black, medium viscosity polycarbonate, has an excellent balance of stiffness and impact resistance.

Features

High heat resistance

Good processability

General Information			
UL YellowCard	E216152-101017561		
Features	General Purpose Good Processability High Heat Resistance High Impact Resistance High Stiffness Medium Viscosity		
Uses	General Purpose		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow : 3.20 mm	0.50 to 0.70	%	ASTM D955
3.20 mm	0.50 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	60.0	MPa	ASTM D638
Yield	60.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2300	MPa	ASTM D790
-- ³	2200	MPa	ISO 178
Flexural Strength			
-- ⁴	100	MPa	ASTM D790
-- ⁵	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	700	J/m	ASTM D256

23°C	70	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648, ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	255 to 270	°C	
Middle Temperature	265 to 280	°C	
Front Temperature	275 to 295	°C	
Nozzle Temperature	275 to 295	°C	
Processing (Melt) Temp	275 to 295	°C	
Mold Temperature	65.0 to 95.0	°C	
Injection Pressure	69.0 to 138	MPa	
Injection Rate	Moderate		
Screw Speed	50 to 75	rpm	
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		
3.	2.0 mm/min		
4.	1.3 mm/min		
5.	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

