

# Vi-Chem PVC VNC67E

Flexible Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC VNC67E is a Flexible Polyvinyl Chloride material filled with 15% mineral. It is available in North America for extrusion. Primary attribute of Vi-Chem PVC VNC67E: Good Flexibility.

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Features	Good Flexibility		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm <sup>3</sup>	ISO 1183/A
Humidity <sup>1</sup>	No objectionable tackiness		
Cold Flexibility (-30°C, 4.00 cm)	No cracks		GM 9503P
Fogging (85°C) <sup>2</sup>	> 93	%	
Color Stability			
-- <sup>3</sup>	Pass		
-- <sup>4</sup>	1.10		
Fungal Resistance <sup>5</sup>	A zone of inhibition and no fungal growth		
Pink Stain <sup>6</sup>	No stain		
Volatile Loss	< 1.2	%	ISO 176
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>7</sup> (Yield)	11.0	MPa	ISO 37
Tensile Elongation <sup>8</sup> (Break)	300	%	ISO 37
Tear Strength	37	kN/m	ASTM D1004
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 168 hr)	24	%	ISO 188
Change in Tensile Strain at Break in Air (80°C, 168 hr)	-5.5	%	ISO 188
Change in Shore Hardness in Air (Shore A, 80°C, 168 hr)	-29		ISO 188
NOTE			
1.	High temperature resistance, GM9329M		
2.	GM9305P, Type A		
3.	Xenon Arc per SAE J1885, 601.6 kJ/m <sup>2</sup> , Surface defects, Delta E		

4.	Xenon Arc per SAE J1885, 601.6 kJ/m <sup>2</sup> , color change, Delta E
5.	GM9328P
6.	GM9303P
7.	Type 1, 500 mm/min
8.	Type 1, 500 mm/min

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Recommended distributors for this material


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