

Vi-Chem PVC VNC90-80E

Polyvinyl Chloride
Vi-Chem Corporation

Message:
Vi-Chem PVC VNC90-80E is a Polyvinyl Chloride material. It is available in North America.
Typical application of Vi-Chem PVC VNC90-80E: Automotive

General Information			
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	47		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	20.0	MPa	ISO 527-2/5A
Tensile Strain (Break)	320	%	ISO 527-2/5A
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	130	kN/m	ISO 34-1
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1008 hr)	7.8	%	ASTM D573
Change in Ultimate Elongation in Air (80°C, 1008 hr)	0.80	%	ASTM D573
Change in Mass in Air (80.0°C, 1010 hr)	2.7	%	ASTM D573
Thermal	Nominal Value		
Cold Flexibility ² (-30°C)	Pass		
Arizona Weathering - Delta E ³	0.680		
Color Stability - Delta E ⁴ (80°C)	0.360		ASTM D573
Florida Weathering - Delta E ⁵	0.430		
Hydrogen Sulfide Staining ⁶	5 AATCC		
Paint Staining ⁷	No Stain		
NOTE			
1.	Method Ba, Angle (Unnicked)		
2.	FLTM BN 102-01		
3.	2 years, 4-5 AATCC, Black, FLTM BI160-01		
4.	168 hr, 5 AATCC		
5.	2 years, 4-5 AATCC, Black, FLTM BI160-01		
6.	FLTM BN102		
7.	FLTM BP153-01, Procedure A		

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