

Vi-Chem PVC VNC90-80I

Polyvinyl Chloride
Vi-Chem Corporation

Message:
Vi-Chem PVC VNC90-80I is a Polyvinyl Chloride material. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	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	17.4	MPa	ISO 527-2/5A
Tensile Strain (Break)	230	%	ISO 527-2/5A
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	100	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 ³	4-5 AATCC		
Color Stability ⁴ (80°C)	5 AATCC		ASTM D573
Florida Weathering ⁵	4-5 AATCC		
H2S Staining ⁶	5 AATCC		
Paint Staining ⁷	No Stain		
Road Asphalt Stain Resistance - deltaE ⁸	0.870		
Xenon Arc ⁹	4-5 AATCC		SAE J1885
NOTE			
1.	Method Ba, Angle (Unnicked)		
2.	FLLTM BN 102-01		
3.	deltaE = 0.68, Black, FLTM GI160-01, 2 years		
4.	deltaE = 0.36, 168 hr		
5.	deltaE = 0.43, Black, FLTM GI160-01, 2 years		
6.	FLTM BN102		

7.	FLTM BP153-01, Procedure A
8.	M4D689 (par. 3.6), Silver
9.	deltaE=0.55, Black

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Recommended distributors for this material

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