

# Vi-Chem PVC VNC50D-80I

Flexible Polyvinyl Chloride

Vi-Chem Corporation

Message:

Vi-Chem PVC VNC50D-80I is a Flexible Polyvinyl Chloride material. It is available in North America for injection molding.  
Typical application of Vi-Chem PVC VNC50D-80I: Automotive

General Information			
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	46		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.0	MPa	ASTM D638, ISO 527-2/2
Tensile Elongation (Break)	260	%	ASTM D638, ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			
--	72.0	kN/m	ASTM D1004
--	72	kN/m	ISO 34-1
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air	1.0	%	ASTM D573, ISO 188
Additional Information	Nominal Value		Test Method
Fungal Resistance	No Apparent Fungus Attack		ASTM G21
Mandrel Bend (-30°C) <sup>1</sup>	No crack		
Stain Resistance			
-- <sup>2</sup>	No stain		ASTM D1712
-- <sup>3</sup>	No Staining, Swelling or Lifting of Paint		
NOTE			
1.	CLP-463DD-07-01		
2.	Sulfide		
3.	Migration, CLP 463DD-06-01		

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