

# Vi-Chem PVC VSR50D-80I

Rigid Polyvinyl Chloride

Vi-Chem Corporation

## Message:

Vi-Chem PVC VSR50D-80I is a Rigid Polyvinyl Chloride material. It is available in North America for injection molding. Primary attribute of Vi-Chem PVC VSR50D-80I: Rigid.

General Information			
Features	Medium Rigidity		
	Stain Resistant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm <sup>3</sup>	ISO 1183
Humidity <sup>1</sup>	No objectionable tackiness		
Cold Flexibility (-30°C, 2.50 cm)	No cracks		GM 9503P
Florida Weathering			
-- <sup>2</sup>	No objectionable defects		
-- <sup>3</sup>	0.870		
Fungal Resistance <sup>4</sup>	A ZOI and no growth		
Pink Stain <sup>5</sup>	No stain		
Xenon Weatherometer			
-- <sup>6</sup>	No objectionable defects		
-- <sup>7</sup>	0.780		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	47		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>8</sup> (Yield)	15.9	MPa	ISO 37
Tensile Elongation <sup>9</sup> (Break)	260	%	ISO 37
Tear Strength	68	kN/m	ISO 34-1
NOTE			
1.	High temperature resistance, GM9329P		
2.	ASTM G7, 2yrs, surface defects		
3.	ASTM G7, 2yrs, color changes		
4.	GM9328P		
5.	GM9303P		
6.	SAE J1960, 2500kJ/m2, surface defects		

7.	SAE J1960, 2500kJ/m2, color changes
8.	500 mm/min
9.	500 mm/min

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#### Recommended distributors for this material

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