

Sevrene® 4000-75A

Polyvinyl Chloride
Vi-Chem Corporation

Message:
Sevrene® 4000-75A is a Polyvinyl Chloride material. It is available in North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	75		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	2.90	MPa	ISO 37
Tensile Stress ² (Break)	8.90	MPa	ISO 37
Tensile Elongation ³ (Break)	950	%	ISO 37
Tear Strength ⁴	38	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	39	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 1008 hr)	-2.0	%	SAE J2236
Change in Tensile Strain at Break (100°C, 1008 hr)	4.0	%	SAE J2236
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁵	-50.0	°C	ISO 974
Flammability	Nominal Value	Unit	Test Method
Fogging (85°C) ⁶	95	%	GM 9305P
Arizona Weathering ⁷			SAE J1976
Color Change, Delta E	1.15		
Surface Defects	No Objectionable Defects		
Florida Weathering ⁸			SAE J1976
Color Change, Delta E	0.970		
Surface Defects	No Objectionable Defects		
Xenon Arc			
Color Change, Delta E ⁹	1.87		SAE J1885
Color Change, Delta E ¹⁰	1.56		SAE J1960
Surface Defects ¹¹	No Objectionable Defects		SAE J1960
Surface Defects ¹²	No Objectionable Defects		SAE J1885
NOTE			
1.	500 mm/min		
2.	500 mm/min		
3.	500 mm/min		

4.	Method Ba, Angle (Unnicked), 500 mm/min
5.	Type B
6.	Type B, 6 hr
7.	2 years, Natural Exposure, Exterior
8.	2 years, Natural Exposure, Exterior
9.	1240 kJ/m, Interior
10.	2500 kJ/m ² , Exterior
11.	2500 kJ/m ² , Exterior
12.	1240 kJ/m, Interior

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