

Sevrene® 3000-90A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 3000-90A is a Thermoplastic Elastomer (TPE) material. It is available in North America.

Typical application of Sevrene® 3000-90A: Automotive

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	92		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	6.30	MPa	ISO 37
Tensile Elongation ² (Break)	660	%	ISO 37
Tear Strength ³	52	kN/m	ISO 34-1
Compression Set ⁴ (70°C, 22 hr)	34	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1008 hr)	95	%	ISO 188
Change in Tensile Strain at Break in Air (80°C, 1008 hr)	93	%	ISO 188
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature (Type B)	-50.0	°C	ISO 812
Flammability	Nominal Value	Unit	Test Method
Fogging			SAE J1756
38°C	95	%	
85°C	95	%	
Arizona Weathering ⁵	2.18(Black)		
Cleaning Agent Resistance ⁶	No loss of gloss, and no stain, surface softening or loss of grain. No color transfer to cloth		
Florida Weathering ⁷	0.350(Black)		
Mixed Fungal Resistance ⁸	No fungal growth		
Ozone Resistance ⁹	Zero rating		ISO 1431-1
UV Resistance ¹⁰	0.950(Black)		SAE J1885
Weatherability ¹¹	0.390(Black)		SAE J1960
NOTE			
1.	Type 1		
2.	Type 1		
3.	Method Ba, Angle (Unnicked)		
4.	Type A		

5.	2 years
6.	GM9900P
7.	2 years
8.	GM9328P
9.	Procedure A
10.	Interior Xenon Arc 1240 kj/m ²
11.	Exterior Xenon Arc 2500 kj/m ²

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