

Sevrene® 4000-90A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene®4000-90A is a thermoplastic elastomer (TPE) material. This product is available in North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	92		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	6.30	MPa	ISO 37
Tensile Elongation (Break)	660	%	ISO 37
Tear Strength	52	kN/m	ISO 34-1
Compression Set ¹ (70°C, 22 hr)	34	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1008 hr)	-5.0	%	ISO 188
Change in Tensile Strain at Break in Air (80°C, 1008 hr)	-7.0	%	ISO 188
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature (Type B)	-50.0	°C	ISO 815
Flammability	Nominal Value	Unit	Test Method
Fogging ²	95	%	SAE J1756
Ozone Resistance ³	Zero Rating		ISO 1431-1
Xenon Arc - Delta E ⁴	0.950		
Antifungal	No Fungal Growth		
Xenon aging tester-Delta E ⁵	0.390		
Additional Information	Nominal Value	Test Method	
Cleaning/solvent Resistance: No loss of gloss, and no stain, Surface softening or loss of grain, No color transfer to cloth2 yrs Florida, Weather Resistance, SAE J1976: Delta E = .352 yrs Arizona, Weather Resistance, SAE J1976: Delta E = 2.18			
NOTE			
1.	Type a		
2.	85°C/38°C, 6 hrs		
3.	Procedure A		
4.	UV Resistance, Interior, 1240 kJ/m²		
5.	Weatherability, 2500 kJ/m²		

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