

Sevrene® 4500-70A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene®4500-70A is a thermoplastic elastomer (TPE) material. This product is available in North America.

General Information			
Appearance	Available colors		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	66		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	2.40	MPa	ISO 37
Tensile Stress ² (Yield)	8.10	MPa	ISO 37
Tensile Elongation ³ (Break)	1300	%	ISO 37
Tear Strength ⁴	32	kN/m	ISO 34-1
Compression Set			ASTM D395
23°C, 168 hr	25	%	ASTM D395
100°C, 168 hr	58	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1008 hr)	1.0	%	ASTM D412
Change in Ultimate Elongation in Air (80°C, 1008 hr)	-20	%	ASTM D412
Thermal	Nominal Value		Test Method
Cold Flexibility (-30°C)	Pass		Internal method
Flammability	46	mm/min	FMVSS 302
Fogging ⁵	95	%	SAE J1756
Xenon Arc - Delta E ⁶	1.87		SAE J1885
Xenon aging tester-Delta E ⁷	1.56		SAE J1960
Additional Information	Nominal Value		Test Method
2 yrs Florida, SAE J1976: Delta E = 0.972 yrs Arizona, SAE J1976: Delta E = 1.15			
NOTE			
1.	500 mm/min		
2.	500 mm/min		
3.	500 mm/min		
4.	500 mm/min		
5.	3 hrs @ 100°C and 21°C		
6.	1240 kJ/m		
7.	2500 kJ/m ²		

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Recommended distributors for this material

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