

Sevrene® 4000-45A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene®4000-45A 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/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Wear Resistance	Pass		Internal method
Change in Tear Strength	-15	%	ISO 34-1
Fogging ¹	88	%	Internal method
Xenon Arc - Delta E ²	0.760		SAE J1885
Xenon aging tester-Delta E ³	0.660		SAE J1960
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ⁴ (Yield)	5.20	MPa	ISO 37
Tensile Elongation ⁵ (Break)	850	%	ISO 37
Tear Strength ⁶	19	kN/m	ISO 34-1
Impact	Nominal Value	Unit	Test Method
Dart Drop Impact (-30°C)	No Break		Internal method
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 1000 hr)	-3.0	%	ISO 37
Change in Ultimate Elongation in Air (100°C, 1000 hr)	14	%	ISO 37
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 34	mm/min	ISO 3795
Additional Information	Nominal Value		Test Method
Natural Weathering, 24 month Florida, SAE J1976: Delta E = 0.5Natural Weathering, 24 month Arizona, SAE J1976: Delta E = 0.19			
NOTE			
1.	95°C/38°C, 6 hours		
2.	Fade Resistance, Interior		
3.	Fade Resistance, Exterior, 2500 kJ/m ²		
4.	500 mm/min		
5.	500 mm/min		
6.	500 mm/min		

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Recommended distributors for this material

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