

Sevrene® 3000-45A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 3000-45A is a Thermoplastic Elastomer (TPE) material. It is available in North America.

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)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Wear Resistance ¹	Pass		
Fogging ²			
38°C	88	%	
95°C	88	%	
Arizona Weathering ³	0.190 (Black)		SAE J1976
Fade Resistance			
Exterior Xenon ⁴	0.660(Black)		SAE J1960
Interior Xenon ⁵	0.760(Black)		SAE J1885
Florida Weathering ⁶	0.500(Black)		SAE J1976
Tear Strength - (Loss of, after heat aging)	-15	%	ISO 34
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ⁷ (Yield)	5.20	MPa	ISO 37
Tensile Elongation ⁸ (Break)	850	%	ISO 37
Tear Strength ⁹	19	kN/m	ISO 34-1
Impact	Nominal Value	Unit	Test Method
Gardner Impact ¹⁰ (-30°C)	No Break		Internal Method
Aging	Nominal Value	Unit	Test Method
Change in Tensile Stress (100°C, 1000 hr)	-3.0	%	ISO 1817
Change in Tensile Strain at Break (100°C, 1000 hr)	14	%	ISO 1817
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 34	mm/min	ISO 3795
NOTE			
1.	LP463KB-06-01		
2.	LP463DB-12-01, 6 hrs		
3.	2 years, Delta E		
4.	2500 j/m ² , Delta E		

5.	Delta E
6.	2 years, Delta E.
7.	500 mm/min
8.	500 mm/min
9.	Method Ba, Angle (Unnicked), 500 mm/min
10.	LP463DB-14-01

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