

Sevrene® 3582-70A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 3582-70A is a Thermoplastic Elastomer (TPE) material. It is available in North America.
Typical application of Sevrene® 3582-70A: Automotive

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792A, ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	69		ASTM D2240, ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	2.20	MPa	ISO 37
Tensile Stress ² (Yield)	11.2	MPa	ISO 37
Tensile Elongation ³ (Break)	940	%	ISO 37
Tear Strength ⁴	30	kN/m	ISO 34-1
Compression Set			ASTM D395, ISO 815
23°C, 168 hr	25	%	
100°C, 168 hr	58	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1000 hr)	2.0	%	ASTM D412, ISO 188
Change in Ultimate Elongation in Air (80°C, 1000 hr)	-19	%	ASTM D412, ISO 188
Thermal	Nominal Value		
Cold Flexibility (-30°C) ⁵	No cracks		
Fogging ⁶			
38°C	87	%	
95°C	87	%	
Arizona Weathering ⁷	0.100Pass (Black)		SAE J1976
Florida Weathering ⁸	1.14Pass (Black)		SAE J1976
Weather Resistance			SAE J1960
-- ⁹	0.500Pass (Black)		
-- ¹⁰	Pass (Black)		
Flammability	Nominal Value	Unit	Test Method
Burning Rate	46	mm/min	FMVSS 302
NOTE			
1.	500 mm/min		
2.	500 mm/min		

3.	500 mm/min
4.	Method Ba, Angle (Unnicked), 500 mm/min
5.	FLTM BO-102-01
6.	SAE J1756-94, 6 hrs
7.	2 years, Delta E
8.	2 Years, Delta E
9.	Interior Xenon, 1240.8 kj/m ² , Delta E
10.	Exterior Xenon Arc, 2500 kj/m ² , Delta E

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