

Sevrene® 3582-80A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 3582-80A is a Thermoplastic Elastomer (TPE) material. It is available in North America.
Typical application of Sevrene® 3582-80A: Automotive

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	82		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	3.20	MPa	ISO 37
Tensile Stress ² (Yield)	13.0	MPa	ISO 37
Tensile Elongation ³ (Break)	790	%	ISO 37
Tear Strength ⁴	47	kN/m	ISO 34-1
Compression Set			ASTM D395
23°C, 168 hr	43	%	
100°C, 168 hr	58	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 1008 hr)	-3.0	%	ASTM D573
Change in Ultimate Elongation in Air (100°C, 1008 hr)	-15	%	ASTM D573
Thermal	Nominal Value		Test Method
Cold Flexibility (-30°C)	Pass		FLTM BN 102-01
Fogging - 6 hrs			SAE J1756
38°C	98	%	
95°C	98	%	
Arizona Weathering ⁵	0.220Pass (Black only)		SAE J1976
Florida Weathering ⁶	0.330Pass (Black only)		SAE J1976
Weather Resistance			
-- ⁷	0.570Pass (Black only)		SAE J1885
-- ⁸	0.300Pass (Black only)		SAE J1960
Flammability	Nominal Value	Unit	Test Method
Burning Rate	61	mm/min	FMVSS 302
NOTE			
1.	500 mm/min		
2.	500 mm/min		

3.	500 mm/min
4.	500 mm/min
5.	2 years, Delta E
6.	2 years, Delta E
7.	Interior Xenon, 1240 kj/m ² , Delta E
8.	Exterior Xenon Arc, 2500 kj/m ² , Delta E

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