

Sevrene® 3582-90A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 3582-90A is a Thermoplastic Elastomer (TPE) material. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	90		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.80	MPa	ISO 37
Tensile Stress (Yield)	14.6	MPa	ISO 37
Tensile Elongation (Break)	550	%	ISO 37
Tear Strength	61	kN/m	ISO 34-1
Compression Set			ISO 815
70°C, 22 hr	46	%	
100°C, 168 hr	64	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 1008 hr)	-14	%	ISO 188
Change in Tensile Strain at Break in Air (100°C, 1008 hr)	-16	%	ISO 188
Flammability	Nominal Value	Unit	Test Method
Fogging	98	%	Internal Method
Accelerated Weathering Resistance ¹	< 3.00		SAE J1960
Fade Resistance ²	< 3.00(Black)		SAE J1885
Florida Weathering ³	< 3.00 (Black)		
Fungal Resistance	No Growth		ASTM G21
Temperature - Brittleness	-60	°C	ISO 812
NOTE			
1.	2500KJ/m ²		
2.	1240.8 kj/m ² , Delta E, No objectionable defects		
3.	12 months, AATCC, FLTM BI 160-01, Delta E. No objectionable defects		

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