

Sevrene® 3000-80A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 3000-80A is a Thermoplastic Elastomer (TPE) material filled with 30% filler. It is available in North America for coextrusion, extrusion, or injection molding. Primary attribute of Sevrene® 3000-80A: Good Weather Resistance.

Typical applications include:

Automotive

Consumer Goods

Industrial Applications

General Information			
Filler / Reinforcement	Filler,30% Filler by Weight		
Features	Good Weather Resistance		
Uses	Automotive Interior Parts Automotive Under the Hood Consumer Applications Industrial Applications		
Forms	Pellets		
Processing Method	Coextrusion Extrusion Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Appearance - After heat aging, 1000 h @ 80°C	No objectionsble color change or tackiness		
Retention of Tensile Strain at Break - After heat aging, 1000 h @ 80°C	98	%	SAE J2236
Retention of Tensile Strength - After heat aging, 1000 h @ 80°C	93	%	SAE J2236
Fogging - Type A	95	%	GM 9305P
Color Fastness - to light, Interior Xenon ¹	0.280(Black)		SAE J1885
Florida Weathering - 2 years ²	0.780(Black)		SAE J1976
Ozone Resistance	Zero rating		ISO 1431-1
Weatherability - Exterior Xenon Arc, 2500 kj/m ² ³	0.310(Black)		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 5 sec)	82		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.50	MPa	ISO 37
Tensile Stress (Break)	9.40	MPa	ISO 37

Tensile Elongation (Break)	590	%	ISO 37
Tear Strength	44	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	37	%	ISO 815
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-55.0	°C	ISO 812

NOTE

1. No objectionable defects
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3. No objectionable defects

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

