

Sevrene® 6650-70A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 6650-70A is a Thermoplastic Elastomer (TPE) material. It is available in North America.

Typical application of Sevrene® 6650-70A: Automotive

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	71		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	3.90	MPa	ISO 527-2/300
Tensile Strain (Break)	460	%	ISO 527-2/300
Wear Resistance ¹	6.70		SAE J948
Change in Durometer Hardness - A	3.0	%	ASTM D573
Change in Tear Strength (80°C) ²	10	%	ISO 188
Bending Test ³	No Cracking		ASTM D573
Cold Flexibility (-30°C)	No Cracks		
Fogging ⁴			SAE J1756
1 hr	50	%	
Dry, 16 hr	89	%	
Fade Resistance ⁵	4.00		SAE J1885
Mass	6.00	kg/m ²	
Odor Rating ⁶			SAE J1351
Dry	1.30		
Wet	1.00		
Resistance to H2S ⁷	Rating 5		
Tear Strength	22.0		ASTM D624
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (80°C, 1000 hr)	3.0	%	ASTM D573
Flammability	Nominal Value	Unit	Test Method
Burning Rate ⁸	28	mm/min	ISO 3795
NOTE			
1.	1 kg load, CS#10 Wheel, 1000 cycles		
2.	1000 hr		
3.	180° around 1.6 mm rod		
4.	3 hr @ 100/21°C		

5.	112 kJ/m ²
6.	FLTN BO 131-01
7.	FLTM AN 102-01
8.	SAE J369

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