

Sevrene® 3500-85A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 3500-85A is a Thermoplastic Elastomer (TPE) material. It is available in North America for extrusion or injection molding.
Typical application of Sevrene® 3500-85A: Automotive

General Information			
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	87		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	5.80	MPa	ISO 37
Tensile Stress ² (Yield)	10.7	MPa	ISO 37
Tensile Elongation ³ (Break)	510	%	ISO 37
Tear Strength ⁴	49	kN/m	ISO 34-1
Compression Set ⁵ (70°C, 22 hr)	48	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ⁶ (80°C, 1000 hr)	8.0	%	ISO 188
Change in Tensile Strain at Break in Air ⁷ (80°C, 1000 hr)	16	%	ISO 188
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁸	-47.0	°C	ISO 974
Flammability	Nominal Value	Unit	
Fogging			
38°C ⁹	96	%	
85°C ¹⁰	96	%	
Color Stability			
-- ¹¹	No surface defects		
-- ¹²	0.830		
Xenon Weatherometer			
-- ¹³	No surface defects		
-- ¹⁴	1.79		
NOTE			
1.	Type 1, 500 mm/min		

2.	Type 1, 500 mm/min
3.	Type 1, 500 mm/min
4.	Method Ba, Angle (Unnicked), 500 mm/min
5.	Type A
6.	No objectionable color Change or tackiness
7.	No objectionable color Change or tackiness
8.	Type B
9.	GM9305P, hrs
10.	GM9305P, 6 hrs
11.	to Light, Xenon Arc, SAE J1885, 1240 kJ/m2, Surface Defects, Delta E
12.	to Light, Xenon Arc, SAE J1885, 1240 kJ/m2, Change in Color, Delta E
13.	Xenon Arc, SAE J1960-89, 2500 kJ/m2, Surface defects
14.	Exterior, Xenon Arc, SAE J1960-89, 2500 kJ/m2, Change in Color, Delta E

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