



## Sevrene® 4582-90A

**MATERIAL STATUS** Commercial: Active

**AVAILABILITY** North America

**FEATURES** Block Copolymer

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density	0.960	g/cm <sup>3</sup>	ISO 1183/A
MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Stress	16.4	MPa	ISO 527-2/5A
--	6.20	MPa	ISO 527-2
100% Strain			
Tensile Strain (Break)	740	%	ISO 527-2/5A
Scratch Resistance <sup>2</sup>	2.00		
ELASTOMERS	NOMINAL VALUE	UNIT	TEST METHOD
Tear Strength	49.5	kN/m	ISO 34-1
HARDNESS	NOMINAL VALUE	UNIT	TEST METHOD
Durometer Hardness (Shore A)	90		ASTM D2240 ISO 868
THERMAL	NOMINAL VALUE	UNIT	TEST METHOD
Brittleness Temperature (Type B)	No Cracking		ISO 812
Bending Test <sup>3</sup> (100°C)	No Cracking		ISO 188
AGING	NOMINAL VALUE	UNIT	TEST METHOD
Change in Tensile Strength in Air (100°C, 1000 hr)	-18	%	ISO 188
Change in Tensile Strain at Break in Air			ISO 188
100°C, 1000 hr	-18	%	
Change in Shore Hardness in Air (100°C, 1000 hr)	-4.0		ISO 188
Change in Tear Strength - 100°C, 1000 hr	7.4	%	ISO 188
FLAMMABILITY	NOMINAL VALUE	UNIT	TEST METHOD
Burning Rate			
--	55	mm/min	ISO 3795
--	55	mm/min	SAE J369



ADDITIONAL INFORMATION	NOMINAL VALUE	UNIT	TEST METHOD
Fade Resistance			SAE J1885
Delta E <sup>4</sup>	1.51(black)		
Rating		4	
Florida Weathering <sup>5</sup>			
Delta E	0.420		
Rating		4-5	
Fogging		96	SAE J1756
Odor Rating <sup>6</sup>		2	
Stain Resistance - Rating <sup>7</sup>		4	

**NOTES**

- <sup>1</sup> Typical properties: these are not to be construed as specifications.
- <sup>2</sup> FLTM BN 108-13, 1mm Stylus
- <sup>3</sup> 180° flat against itself, 1000 hr
- <sup>4</sup> 1240.8 kJ/m<sup>2</sup>
- <sup>5</sup> FLTM BI 160-01, 12 months
- <sup>6</sup> FLTM BO 131-01
- <sup>7</sup> FLTM BN 103-10, Procedure 3

