

# EVOPRENE SUPER G 949

## Alphagary - Styrene Ethylene Butylene Styrene Block Copolymer

### General Information

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Features	• Block Copolymer
Processing Method	• Injection Molding

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.09	g/cm <sup>3</sup>	ISO 2781
Flow Rating (356°F)	17	kg/cm <sup>2</sup>	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (73°F)	310	mm <sup>3</sup>	ISO 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 73°F)	363	psi	ISO 37
Tensile Stress (300% Strain, 73°F)	667	psi	ISO 37
Tensile Stress (Yield, 73°F)	1120	psi	ISO 37
Tensile Elongation (Break, 73°F)	500	%	ISO 37
Tear Strength (73°F)	137	lbf/in	ISO 6383
Compression Set			ISO 815
73°F, 72 hr	14	%	
158°F, 22 hr	21	%	
212°F, 22 hr	35	%	
212°F, 72 hr	46	%	
212°F, 168 hr	54	%	
212°F, 1000 hr	61	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 73°F)	54		ISO 868
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ISO 188
257°F, 336 hr	10	%	
302°F, 168 hr	10	%	
Change in Tensile Strain at Break in Air			ISO 188
257°F, 336 hr	10	%	
302°F, 168 hr	11	%	
Change in Shore Hardness in Air			ISO 188
257°F, 336 hr	0.0		
302°F, 168 hr	2.0		