

# EVOPRENE SUPER G 946

Alphagary - Styrene Ethylene Butylene Styrene Block Copolymer

## General Information

General	
Features	<ul style="list-style-type: none"> <li>Block Copolymer</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.12	g/cm <sup>3</sup>	ISO 2781
Flow Rating (356°F)	19	kg/cm <sup>2</sup>	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (73°F)	1060	mm <sup>3</sup>	ISO 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 73°F)	102	psi	ISO 37
Tensile Stress (300% Strain, 73°F)	363	psi	ISO 37
Tensile Stress (Yield, 73°F)	508	psi	ISO 37
Tensile Elongation (Break, 73°F)	450	%	ISO 37
Tear Strength (73°F)	74.2	lbf/in	ISO 6383
Compression Set			ISO 815
73°F, 72 hr	10	%	
158°F, 22 hr	17	%	
212°F, 22 hr	35	%	
212°F, 72 hr	41	%	
212°F, 168 hr	48	%	
212°F, 1000 hr	55	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 73°F)	29		ISO 868
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ISO 188
257°F, 336 hr	72	%	
302°F, 168 hr	28	%	
Change in Tensile Strain at Break in Air			ISO 188
257°F, 336 hr	49	%	
302°F, 168 hr	17	%	
Change in Shore Hardness in Air			ISO 188
257°F, 336 hr	0.0		
302°F, 7 hr	-5.0		