

EVOPRENE SUPER G 947

Alphagary - Styrene Ethylene Butylene Styrene Block Copolymer

General Information

General	
Features	• Block Copolymer
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.08	g/cm ³	ISO 2781
Flow Rating (356°F)	22	kg/cm ²	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (73°F)	435	mm ³	ISO 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 73°F)	160	psi	ISO 37
Tensile Stress (300% Strain, 73°F)	537	psi	ISO 37
Tensile Stress (Yield, 73°F)	798	psi	ISO 37
Tensile Elongation (Break, 73°F)	390	%	ISO 37
Tear Strength (73°F)	103	lbf/in	ISO 6383
Compression Set			ISO 815
73°F, 72 hr	12	%	
158°F, 22 hr	23	%	
212°F, 22 hr	36	%	
212°F, 72 hr	51	%	
212°F, 168 hr	56	%	
212°F, 1000 hr	59	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 73°F)	37		ISO 868
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ISO 188
257°F, 336 hr	41	%	
302°F, 168 hr	14	%	
Change in Tensile Strain at Break in Air			ISO 188
257°F, 336 hr	20	%	
302°F, 168 hr	11	%	
Change in Shore Hardness in Air			ISO 188
257°F, 336 hr	5.0		
302°F, 168 hr	-5.0		