

EVOPRENE SUPER G 934

Alphagary - Styrene Ethylene Butylene Styrene Block Copolymer

General Information

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.10	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)	236	mm ³	ISO 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 73°F)	464	psi	ISO 37
Tensile Stress (300% Strain, 73°F)	812	psi	ISO 37
Tensile Stress (Yield, 73°F)	2090	psi	ISO 37
Tensile Elongation (Break, 73°F)	460	%	ISO 37
Tear Strength (73°F)	211	lbf/in	ISO 6383
Compression Set			ISO 815
73°F, 72 hr	20	%	
158°F, 22 hr	26	%	
212°F, 22 hr	44	%	
212°F, 72 hr	56	%	
212°F, 168 hr	65	%	
212°F, 1000 hr	74	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 73°F)	82		ISO 868
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ISO 188
257°F, 336 hr	-5.0	%	
302°F, 168 hr	-2.0	%	
Change in Tensile Strain at Break in Air			ISO 188
257°F, 336 hr	-11	%	
302°F, 168 hr	-31	%	
Change in Shore Hardness in Air			ISO 188
257°F, 336 hr	-2.0		
302°F, 168 hr	2.0		