

EVOPRENE COGEE 683

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)	1.00	g/cm ³	ISO 2781
Flow Rating (356°F)	26	kg/cm ²	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (73°F)	144	mm ³	ISO 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 73°F)	392	psi	ISO 37
Tensile Stress (300% Strain, 73°F)	783	psi	ISO 37
Tensile Stress (Yield, 73°F)	1670	psi	ISO 37
Tensile Elongation (Break, 73°F)	520	%	ISO 37
Tear Strength (73°F)	217	lbf/in	ISO 6383
Compression Set			ISO 815
73°F, 72 hr	27	%	
158°F, 22 hr	75	%	
212°F, 22 hr	90	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 73°F)	60		ISO 868
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (257°F, 336 hr)	130	%	ISO 188
Change in Tensile Strain at Break in Air			ISO 188
257°F, 336 hr	120	%	
Change in Shore Hardness in Air (257°F, 336 hr)	0.0		ISO 188