

EVOPRENE GC 087

Alphagary - Styrene Ethylene Butylene Styrene Block Copolymer

General Information

General

Processing Method • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.10	g/cm ³	ISO 2781
Flow Rating (356°F)	28	kg/cm ²	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (73°F)	256	mm ³	ISO 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain, 73°F)	334	psi	ISO 37
Tensile Stress (Yield, 73°F)	841	psi	ISO 37
Tensile Elongation (Break, 73°F)	620	%	ISO 37
Tear Strength (73°F)	171	lbf/in	ISO 6383
Compression Set			ISO 815
73°F, 72 hr	21	%	
158°F, 22 hr	73	%	
212°F, 22 hr	89	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 73°F)	61		ISO 868
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (158°F, 240 hr)	4.0	%	ISO 188
Change in Tensile Strain at Break in Air			ISO 188
158°F, 240 hr	4.0	%	
Change in Shore Hardness in Air (158°F, 240 hr)	-1.0		ISO 188