

Vicone High Performance Rubber VicoSil™ 369DLK-GY High Performance Silicone Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

UL94 approved

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vicone-High-Performance-Rubber-VicoSil-369DLK-GY-High-Performance-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ASTM D2240
Tensile Strength	8.20 MPa	1190 psi	ASTM D412
Elongation at Break	310 %	310 %	ASTM D412
Compressive Modulus	0.00450 GPa	0.653 ksi	ISO-7743
	@Strain 5 %	@Strain 5 %	
	0.00470 GPa	0.682 ksi	ISO-7743
	@Strain 10 %	@Strain 10 %	
Compressive Modulus	0.00500 GPa	0.725 ksi	ISO-7743
	@Strain 20 %	@Strain 20 %	
Compressive Modulus	0.00590 GPa	0.856 ksi	ISO-7743
	@Strain 25 %	@Strain 25 %	
Compression Set	20 %	20 %	ASTM D395
Tensile Set	5.5 %	5.5 %	ASTM D412

Descriptive Properties	Value	Comments
Color	Grey	
Effect of Liquids - Change in Elongation (%)	-6.1	ASTM D471
Effect of Liquids - Change in Hardness (%)	-7	ASTM D471
Effect of Liquids - Change in Tensile Strength (%)	-5.7	ASTM D471
Effect of Liquids - Change in Volume after Oil Immersion (%)	6.5	ASTM D471

Descriptive Properties	Value	Comments
Heat Aging - Change in Hardness (%)	7	ASTM D573; 200°C; 72h
Heat Aging - Change in Tensile Strength (%)	-19.88	ASTM D573

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