

Vicone High Performance Rubber VicoSil™ 139DLK-BL High Performance Silicone Rubber

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

Material Notes:

FDA Approved

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vicone-High-Performance-Rubber-VicoSil-139DLK-BL-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	40	40	ASTM D2240
Tensile Strength	7.20 MPa	1040 psi	ASTM D412
Elongation at Break	545 %	545 %	ASTM D412
Compressive Modulus	0.00180 GPa	0.261 ksi	ISO-7743
	@Strain 5 %	@Strain 5 %	
	0.00190 GPa	0.276 ksi	ISO-7743
	@Strain 10 %	@Strain 10 %	
Compressive Modulus	0.00220 GPa	0.319 ksi	ISO-7743
	@Strain 20 %	@Strain 20 %	
Compressive Modulus	0.00260 GPa	0.377 ksi	ISO-7743
	@Strain 25 %	@Strain 25 %	
Compression Set	20 %	20 %	ASTM D395
Tensile Set	6.0 %	6.0 %	ASTM D412

Descriptive Properties	Value	Comments
Color	Blue	
Effect of Liquids - Change in Elongation (%)	-12.1	ASTM D471
Effect of Liquids - Change in Hardness (%)	-5	ASTM D471
Effect of Liquids - Change in Tensile Strength (%)	-6.3	ASTM D471
Effect of Liquids - Change in Volume after Oil Immersion (%)	7.7	ASTM D471

Descriptive Properties	Value	Comments
Heat Aging - Change in Hardness (%)	6	ASTM D573; 200°C; 72h
Heat Aging - Change in Tensile Strength (%)	-21.42	ASTM D573

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