

Vicone High Performance Rubber VicoSil™ 909E-BK High Performance Silicone Rubber

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

Material Notes:

Information provided by Vicone

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vicone-High-Performance-Rubber-VicoSil-909E-BK-High-Performance-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D3165

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	ASTM D2240
	95.23	95.23	
	@Treatment Temp. 125 °C, Time 252000 sec	@Treatment Temp. 257 °F, Time 70.0 hour	Heat Aging; ASTM D573
Tensile Strength, Yield	9.20 MPa	1330 psi	ASTM D412
	7.3968 MPa	1072.8 psi	
	@Treatment Temp. 125 °C, Time 252000 sec	@Treatment Temp. 257 °F, Time 70.0 hour	Heat Aging; ASTM D573
Elongation at Break	194.8 %	194.8 %	ASTM D412
	78.894 %	78.894 %	
	@Treatment Temp. 125 °C, Time 252000 sec	@Treatment Temp. 257 °F, Time 70.0 hour	Heat Aging; ASTM D573
Compressive Modulus	0.00135 GPa	0.196 ksi	
	@Strain 5.00 %	@Strain 5.00 %	
	0.00236 GPa	0.342 ksi	
	@Strain 10.0 %	@Strain 10.0 %	
	0.00516 GPa	0.748 ksi	
	@Strain 20.0 %	@Strain 20.0 %	
	0.00589 GPa	0.854 ksi	
	@Strain 25.0 %	@Strain 25.0 %	
	6.6 %	6.6 %	

Mechanical Properties	Metric	English	Comments
	@ Temperature 100 °C, Time 252000 sec	@ Temperature 212 °F, Time 70.0 hour	

Descriptive Properties	Value	Comments
Color	Black	

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