

Vicone High Performance Rubber VicoSil™ C306E-GR 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-C306E-GR-High-Performance-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.273 g/cc	0.04599 lb/in ³	ASTM D3165

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
	53.76	53.76	
	@Treatment Temp. 125 °C, Time 252000 sec	@Treatment Temp. 257 °F, Time 70.0 hour	Heat Aging; ASTM D573
Tensile Strength, Yield	13.9 MPa	2020 psi	ASTM D412
	8.40 MPa	1220 psi	
	@Treatment Temp. 125 °C, Time 252000 sec	@Treatment Temp. 257 °F, Time 70.0 hour	Heat Aging; ASTM D573
Elongation at Break	602 %	602 %	ASTM D412
	375.65 %	375.65 %	
	@Treatment Temp. 125 °C, Time 252000 sec	@Treatment Temp. 257 °F, Time 70.0 hour	Heat Aging; ASTM D573
Compressive Modulus	0.000710 GPa	0.103 ksi	
	@Strain 5.00 %	@Strain 5.00 %	
	0.00126 GPa	0.183 ksi	
	@Strain 10.0 %	@Strain 10.0 %	
	0.00183 GPa	0.265 ksi	
	@Strain 20.0 %	@Strain 20.0 %	
	0.00238 GPa	0.345 ksi	
	@Strain 25.0 %	@Strain 25.0 %	
	6.5 %	6.5 %	

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

Descriptive Properties	Value	Comments
Color	Green	

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