

Vicone High Performance Rubber VicoSil™ 0591EK-CL 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-0591EK-CL-High-Performance-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D3165

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	20	20	ASTM D2240
	14.5	14.5	
	@Treatment Temp. 200 °C, Time 252000 sec	@Treatment Temp. 392 °F, Time 70.0 hour	Heat Aging; ASTM D573
Tensile Strength, Yield	6.40 MPa	928 psi	ASTM D412
	7.03 MPa	1020 psi	
	@Treatment Temp. 200 °C, Time 252000 sec	@Treatment Temp. 392 °F, Time 70.0 hour	Heat Aging; ASTM D573
Elongation at Break	900 %	900 %	ASTM D412
	684 %	684 %	
	@Treatment Temp. 200 °C, Time 252000 sec	@Treatment Temp. 392 °F, Time 70.0 hour	Heat Aging; ASTM D573
Compressive Modulus	0.000390 GPa	0.0566 ksi	
	@Strain 5.00 %	@Strain 5.00 %	
	0.000620 GPa	0.0899 ksi	
	@Strain 10.0 %	@Strain 10.0 %	
	0.00131 GPa	0.190 ksi	
	@Strain 20.0 %	@Strain 20.0 %	
	0.00202 GPa	0.293 ksi	
	@Strain 25.0 %	@Strain 25.0 %	
	6.36 %	6.36 %	

Mechanical Properties	Metric	English	Comments
	@ Temperature 302 °C, Time 79200 sec	@ Temperature 576 °F, Time 22.0 hour	

Descriptive Properties	Value	Comments
Color	Black	

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