

Vicone High Performance Rubber VicoSil™ KC605Q-OR 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-KC605Q-OR-High-Performance-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.166 g/cc	0.04212 lb/in ³	ASTM D3165

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54	54	ASTM D2240
	59.022	59.022	
	@Treatment Temp. 200 °C, Time 252000 sec	@Treatment Temp. 392 °F, Time 70.0 hour	Heat Aging; ASTM D573
Tensile Strength, Yield	8.00 MPa	1160 psi	ASTM D412
	6.304 MPa	914.3 psi	
	@Treatment Temp. 200 °C, Time 252000 sec	@Treatment Temp. 392 °F, Time 70.0 hour	Heat Aging; ASTM D573
Elongation at Break	551.6 %	551.6 %	ASTM D412
	345.85 %	345.85 %	
	@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 %	
	0.000710 GPa	0.103 ksi	
	@Strain 10.0 %	@Strain 10.0 %	
	0.00140 GPa	0.203 ksi	
	@Strain 20.0 %	@Strain 20.0 %	
	0.00174 GPa	0.252 ksi	
	@Strain 25.0 %	@Strain 25.0 %	
	6.43 %	6.43 %	

Mechanical Properties	Metric	English	Comments
	@ Temperature 175 °C, Time 79200 sec	@ Temperature 347 °F, Time 22.0 hour	

Descriptive Properties	Value	Comments
Color	Orange	

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