

Freudenberg Simrit S310 Silicone Elastomer (VMQ)

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

Material Notes:

General Purpose; AMS 3301; A-A-59588 (ZZ-R-765) Class 2A, 2B Grade 40; Good heat resistance. Poor resistance to abrasion, tear and cut growth; low tensile strength; inferior resistance to oil, gasoline and solvents; poor resistance to alkalis and acids.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Freudenberg-Simrit-S310-Silicone-Elastomer-VMQ.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	Original Properties; ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	Original Properties; ASTM D2240
	72	72	Air Aging, 70 hours; ASTM D2240
	@Temperature 260 Â°C	@Temperature 500 Â°F	
Tensile Strength, Ultimate	6.82 MPa	989 psi	Original Properties; ASTM D1414
	6.0688 MPa	880.21 psi	Air Aging, 70 hours; ASTM D1414
	@Temperature 260 Â°C	@Temperature 500 Â°F	
Elongation at Break	193 %	193 %	Original Properties; ASTM D1414
	140.89 %	140.89 %	Air Aging, 70 hours; ASTM D1414
	@Temperature 260 Â°C	@Temperature 500 Â°F	
Compression Set	41 %	41 %	50 max; ASTM D395
	@Temperature 260 Â°C, Time 79200 sec	@Temperature 500 Â°F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-48.9 Â°C	-56.0 Â°F	Retraction Temperature, TR10; ASTM D1329

Descriptive Properties	Value	Comments
Color	Red	

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