

Freudenberg Simrit S313 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-S313-Silicone-Elastomer-VMQ.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	Original Properties; ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	Original Properties; ASTM D2240
	78	78	Air Aging, 70 hours; ASTM D2240
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Tensile Strength, Ultimate	8.322 MPa	1207 psi	Original Properties; ASTM D412 Die C
	6.990 MPa	1014 psi	Air Aging, 70 hours; ASTM D412 Die C
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Elongation at Break	378 %	378 %	Original Properties; ASTM D412 Die C
	268.38 %	268.38 %	Air Aging, 70 hours; ASTM D412 Die C
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Tear Strength	31.9 kN/m	182 pli	ASTM D624 Die B
Compression Set	18 %	18 %	ASTM D395
	@Temperature 100 Â°C, Time 79200 sec	@Temperature 212 Â°F, Time 22.0 hour	
	38 %	38 %	ASTM D395
	@Temperature 150 Â°C, Time 252000 sec	@Temperature 302 Â°F, Time 70.0 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-115 Â°C	-175 Â°F	ASTM D2137

Descriptive Properties	Value	Comments
Color	Red	

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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