

Freudenberg Simrit S314 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-S314-Silicone-Elastomer-VMQ.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	Original Properties; ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	Original Properties; ASTM D2240
	56	56	Air Aging, 70 hours; ASTM D2240
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Tensile Strength, Ultimate	8.874 MPa	1287 psi	Original Properties; ASTM D412 Die C
	6.5664 MPa	952.38 psi	Air Aging, 70 hours; ASTM D412 Die C
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Elongation at Break	556 %	556 %	Original Properties; ASTM D412 Die C
	300.24 %	300.24 %	Air Aging, 70 hours; ASTM D412 Die C
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Tear Strength	27.7 kN/m	158 pli	ASTM D624 Die B
Compression Set	16 %	16 %	ASTM D395
	@Temperature 100 Â°C, Time 79200 sec	@Temperature 212 Â°F, Time 22.0 hour	
	22 %	22 %	ASTM D395
	@Temperature 150 Â°C, Time 252000 sec	@Temperature 302 Â°F, Time 70.0 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-110 Â°C	-166 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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