

Freudenberg Simrit S40 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-S40-Silicone-Elastomer-VMQ.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	41	41	Original Properties; ASTM D2240
	40	40	Water Immersion, 70 hours; ASTM D2240
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	46	46	Air Aging, 70 hours; ASTM D2240
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Tensile Strength, Ultimate	7.00 MPa	1020 psi	Original Properties; ASTM D412 Die C
	5.95 MPa	863 psi	Air Aging, 70 hours; ASTM D412 Die C
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Elongation at Break	532 %	532 %	Original Properties; ASTM D412 Die C
	420.28 %	420.28 %	Air Aging, 70 hours; ASTM D412 Die C
	@Temperature 225 Â°C	@Temperature 437 Â°F	
Tear Strength	16.4 kN/m	93.6 pli	ASTM D624 Die B
Compression Set	20 %	20 %	Plid Discs (B37); ASTM D395
	@Temperature 175 Â°C, Time 79200 sec	@Temperature 347 Â°F, Time 22.0 hour	

Descriptive Properties	Value	Comments
Color	Red	
Low Temperature Brittleness	Pass, no cracks	ASTM D2137
Volume Change (%), ASTM D471	2	Water Immersion for 70 hours at 100Â°C

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China