

Multibase SILASTIC® Q7-4840 Dow-Corning Biomedical Grade Liquid Silicone Rubber

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

Material Notes:

Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-SILASTIC-Q7-4840-Dow-Corning-Biomedical-Grade-Liquid-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	Relative, no post cure- press cured for 5 minutes; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	44	44	no post cure- press cured for 5 minutes; ASTM D2240
	47	47	post cured-2 hours at 200°C; ASTM D2240
	48	48	post cured-4 hours at 200°C; ASTM D2240
	49	49	post cured- 8 hours at 200°C; ASTM D2240
Tensile Strength, Ultimate	6.44 MPa	934 psi	post cured- 2 hours at 200°C; ASTM D412
	7.143 MPa	1036 psi	post cured- 4 hours at 200°C; ASTM D412
	7.45 MPa	1080 psi	post cured- 8 hours at 200°C; ASTM D412
	9.45 MPa	1370 psi	no post cure, press cured for 5 minutes; ASTM D412
Tensile Strength, Yield	2.62 MPa	380 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	3.86 MPa	560 psi	at 200%, post cured- 2 hours at 200°C; ASTM D412
	4.01 MPa	581 psi	200%, post cured- 8 hours at 200°C; ASTM D412
	4.10 MPa	595 psi	200%, post cured- 4 hours at 200°C; ASTM D412
Elongation at Break	300 %	300 %	post cured- 2 hours at 200°C; ASTM D412
	313 %	313 %	post cured- 4 hours at 200°C; ASTM D412

Mechanical Properties	324 % Metric	324 % English	post cured- 8 hours at 200°C; ASTM D412
	540 %	540 %	no post cure, press cured for 5 minutes; ASTM D412
Tear Strength	26.1 kN/m	149 pli	Die B, post cured- 8 hours at 200°C; ASTM D624
	27.5 kN/m	157 pli	Die B, post cured- 4 hours at 200°C; ASTM D624
	28.4 kN/m	162 pli	Die B, post cured- 2 hours at 200°C; ASTM D624
	36.8 kN/m	210 pli	Die B, no post cure- press cured for 5 minutes; ASTM D624
Compression Set	14.2 %	14.2 %	post cured- 8 hours at 200°C
	21.4 %	21.4 %	post cured- 2 hours at 200°C; ASTM D395
	24.1 %	24.1 %	post cured- 4 hours at 200°C; ASTM D395
	77.3 %	77.3 %	no post cure, press cured for 5 minutes; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.3 %	2.3 %	no post cure, press cured for 5 minutes
	3.00 %	3.00 %	post cured
	@Temperature 200 °C, Time 7200 sec	@Temperature 392 °F, Time 2.00 hour	
	3.10 %	3.10 %	post cured
@Temperature 200 °C, Time 14400 sec	@Temperature 392 °F, Time 4.00 hour		
	3.20 %	3.20 %	post cured
	@Temperature 200 °C, Time 28800 sec	@Temperature 392 °F, Time 8.00 hour	

Processing Properties	Metric	English	Comments
Processing Temperature	150 °C	302 °F	Cure Temp

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