

Multibase SILASTIC® Q7-4850 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-Q7-4850-Dow-Corning-Biomedical-Grade-Liquid-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	Relative, no post cure- press cured for 5 minutes; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	53	53	no post cure- press cured for 5 minutes; ASTM D2240
	54	54	post cured-2 hours at 200°C; ASTM D2240
	56	56	post cured-4 hours at 200°C; ASTM D2240
	56	56	post cured- 8 hours at 200°C; ASTM D2240
Tensile Strength, Ultimate	9.280 MPa	1346 psi	post cured- 2 hours at 200°C; ASTM D412
	9.287 MPa	1347 psi	post cured- 8 hours at 200°C; ASTM D412
	9.611 MPa	1394 psi	post cured- 4 hours at 200°C; ASTM D412
	10.1 MPa	1470 psi	no post cure, press cured for 5 minutes; ASTM D412
Tensile Strength, Yield	3.79 MPa	550 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	4.19 MPa	607 psi	at 200%, post cured- 2 hours at 200°C; ASTM D412
	4.34 MPa	630 psi	200%, post cured- 4 hours at 200°C; ASTM D412
	4.46 MPa	647 psi	200%, post cured- 8 hours at 200°C; ASTM D412
Elongation at Break	477 %	477 %	post cured- 8 hours at 200°C; ASTM D412
	497 %	497 %	post cured- 2 hours at 200°C; ASTM D412

Mechanical Properties	505 % Metric	505 % English	post cured- 4 hours at 200°C; ASTM D412 Comments
	630 %	630 %	no post cure, press cured for 5 minutes; ASTM D412
Tear Strength	45.6 kN/m	260 pli	Die B, no post cure- press cured for 5 minutes; ASTM D624
	48.6 kN/m	277 pli	Die B, post cured- 2 hours at 200°C; ASTM D624
	50.0 kN/m	285 pli	Die B, post cured- 8 hours at 200°C; ASTM D624
	51.0 kN/m	291 pli	Die B, post cured- 4 hours at 200°C; ASTM D624
Compression Set	10.6 %	10.6 %	post cured- 4 hours at 200°C; ASTM D395
	27 %	27 %	post cured- 8 hours at 200°C
	36.4 %	36.4 %	no post cure, press cured for 5 minutes; ASTM D395
	37.1 %	37.1 %	post cured- 2 hours at 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.1 %	2.1 %	no post cure, press cured for 5 minutes
	2.90 %	2.90 %	post cured
	@Temperature 200 °C, Time 7200 sec	@Temperature 392 °F, Time 2.00 hour	
	2.90 %	2.90 %	post cured
@Temperature 200 °C, Time 14400 sec	@Temperature 392 °F, Time 4.00 hour		
	3.00 %	3.00 %	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