

## Multibase SILASTIC® 7-6830 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-7-6830-Dow-Corning-Biomedical-Grade-Liquid-Silicone-Rubber.php](http://www.lookpolymers.com/polymer_Multibase-SILASTIC-7-6830-Dow-Corning-Biomedical-Grade-Liquid-Silicone-Rubber.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	Relative, no post cure- press cured for 5 minutes; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	no post cure- press cured for 5 minutes; ASTM D2240
	34	34	post cured-2 hours at 200°C; ASTM D2240
	36	36	post cured-4 hours at 200°C; ASTM D2240
	37	37	post cured- 8 hours at 200°C; ASTM D2240
Tensile Strength, Ultimate	8.246 MPa	1196 psi	post cured- 2 hours at 200°C; ASTM D412
	8.743 MPa	1268 psi	post cured- 8 hours at 200°C; ASTM D412
	8.83 MPa	1280 psi	no post cure, press cured for 5 minutes; ASTM D412
	9.039 MPa	1311 psi	post cured- 4 hours at 200°C; ASTM D412
Tensile Strength, Yield	0.896 MPa	130 psi	at 200%, no post cure- press cured for 5 minutes; ASTM D412
	1.60 MPa	232 psi	at 200%, post cured- 2 hours at 200°C; ASTM D412
	1.81 MPa	262 psi	200%, post cured- 4 hours at 200°C; ASTM D412
	1.97 MPa	285 psi	200%, post cured- 8 hours at 200°C; ASTM D412
Elongation at Break	644 %	644 %	post cured- 8 hours at 200°C; ASTM D412
	668 %	668 %	post cured- 2 hours at 200°C; ASTM D412

Mechanical Properties	677 % Metric	677 % English	post cured- 4 hours at 200°C; ASTM D412
	790 %	790 %	no post cure, press cured for 5 minutes; ASTM D412
Tear Strength	24.5 kN/m	140 pli	Die B, no post cure- press cured for 5 minutes; ASTM D624
	32.8 kN/m	187 pli	Die B, post cured- 8 hours at 200°C; ASTM D624
	36.3 kN/m	207 pli	Die B, post cured- 4 hours at 200°C; ASTM D624
	40.0 kN/m	228 pli	Die B, post cured- 2 hours at 200°C; ASTM D624
Compression Set	3.4 %	3.4 %	post cured- 4 hours at 200°C; ASTM D395
	16.5 %	16.5 %	post cured- 8 hours at 200°C
	48.3 %	48.3 %	no post cure, press cured for 5 minutes; ASTM D395
	64 %	64 %	post cured- 2 hours at 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Shrinkage	2.3 %	2.3 %	no post cure, press cured for 5 minutes
	2.80 %	2.80 %	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.

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