

## Dow Corning 3120 RTV SILICONE RUBBER

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

### Material Notes:

Two-part, red, condensation cure, moderate flow, high temperature performance, UL HB, cure speed varied by catalyst type and mix ratio. Information provided by Dow Corning

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Corning-3120-RTV-SILICONE-RUBBER.php](http://www.lookpolymers.com/polymer_Dow-Corning-3120-RTV-SILICONE-RUBBER.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	28000 cP	28000 cP	dynamic

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength, Ultimate	6.21 MPa	900 psi	
Elongation at Break	120 %	120 %	
Tear Strength	7.01 kN/m	40.0 pli	

Thermal Properties	Metric	English	Comments
CTE, linear	1040 µm/m-°C	578 µin/in-°F	volumetric
	@Temperature 0.000 °C	@Temperature 32.0 °F	
Maximum Service Temperature, Air	300 °C	572 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.70e+13 ohm-cm	2.70e+13 ohm-cm	
Dielectric Constant	3.54	3.54	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dielectric Strength	4.19	4.19	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	18.0 kV/mm	457 kV/in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.070	0.070	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Cure Time	1440 min	24.0 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Color	red	
Mix Ratio (X:1)	10	Base to Catalyst ETN
Working Time (min)	120-180	

## Contact Songhan Plastic Technology Co.,Ltd.

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