

Overview of materials for Silicone, RTV, Construction Grade

Category : Polymer , Thermoset , Silicone , Silicone, RTV, Construction Grade

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Silicone, RTV, Construction Grade". Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Overview-of-materials-for-Silicone-RTV-Construction-Grade.php

Physical Properties	Metric	English	Comments
Density	1.37 - 1.52 g/cc	0.0495 - 0.0549 lb/in ³	Average value: 1.47 g/cc Grade Count:6

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	18.0 - 40.0	18.0 - 40.0	Average value: 32.6 Grade Count:14
Tensile Strength, Ultimate	1.20 - 5.50 MPa	174 - 798 psi	Average value: 2.39 MPa Grade Count:14
Tensile Strength, Yield	0.240 - 0.590 MPa	34.8 - 85.6 psi	Average value: 0.339 MPa Grade Count:7
Elongation at Break	200 - 500 %	200 - 500 %	Average value: 371 % Grade Count:7

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	88.0 - 204 °C	190 - 399 °F	Average value: 136 °C Grade Count:10
Minimum Service Temperature, Air	-62.0 - -48.0 °C	-79.6 - -54.4 °F	Average value: -57.3 °C Grade Count:9

Processing Properties	Metric	English	Comments
Processing Temperature	25.0 - 27.0 °C	77.0 - 80.6 °F	Average value: 26.2 °C Grade Count:13

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