

Technical Data:

Issued: Nov. 2007
Revision 3, May 2022, Page: 1

RTV 195

High Thermal Conductive Two-Component RTV Silicone

Product Description

RTV 195 is a two-component silicone encapsulant, displaying high thermal conductivity. RTV is used in protecting electronic and electrical components, and delicate systems

Features & Benefits

- High thermal conductivity
- High temperature resistance
- Good resistance to chemicals
- Medium viscosity
- Resistance to cure inhibition

Applications

Potting and Encapsulation of Electric/Electronic Equipment.

Typical Uncured Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Base Resins	RTV 195 (A) RTV 195 (B)	Silicones Catalyst
Appearance/Color	RTV 195 (A) RTV 195 (B)	Red Clear
Viscosity @ 25°C, mPa*s	RTV 195 (A) RTV 195 (B)	16000-30000 200-400
Density @ 25°C, g/cm³	RTV 195 (A) RTV 195 (B)	2.0 1.0
Mix Ratio A:B, (wt/wt)	100:5	
Mix Viscosity @ 25°C, mPa*s	14000-18000	
Gel-time, 100g @ 25°C, min	50-100	

Instructions for use:

Stir RTV 195A thoroughly in the original container prior to use. Weigh required amount of Part A and Part B into a clean container in the recommended ratio. Blend thoroughly being careful to scrape sides and bottom of the container to ensure uniform mixture.
To produce a void-free casting the mixture should be deairing at 5-10 mmHg for 2-3 minutes to remove trapped air.

Technical Data:

Issued: Nov. 2007
Revision 3 : May 2022, Page: 2

RTV 195

High Thermal Conductive Two-Component RTV Silicone

Typical Cured Properties**Note:**

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Curing Schedule	24-48hr/25°C
Hardness , ASTM-D-2240, Shore A	55
Tensile Strength , ASTM-D-412, kg/cm ²	20-35
Tensile Elongation , ASTM-D-412, %	45-70
Thermal Conductivity , W/m-K	0.6-0.7
Service Temperature , °C	-55 to 205

Storage

Store products at 10-35°C for maximum shelf life.

Packaging

Packaging sizes are available from 1L to 5L pails

Shelf Life

These products have a shelf life of 6 months in their unopened original pails.

Limitation of Liability

Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.