

# Novagard® 600 Series 600-200

## Specification Data

NOVAGARD®

### DESCRIPTION

Novagard 600 Series 600-200 is a two-component, platinum-catalyzed gel.

### APPLICATIONS

A silicone gel for potting and encapsulating, embedding, and coating intricate electronic components that may also be used as an adhesive for bonding dissimilar substrates. The product offers the following attributes:

- Wide range of compatibility
- Low shrinkage
- Cures without inhibition

### INSTRUCTIONS

This material is shipped in separate containers that are labeled Part A and Part B. While the material may be mixed by hand, it is more appropriate to use automated, meter-mixing equipment as the work life is extremely short and the ultimate cure time is exceedingly fast. The compound is designed with a 1:1 volume-to-volume mix ratio. Automated mixing equipment eliminates the need for a deaeration cycle. If mixing by hand, weigh 50 parts of Part A into an appropriately sized mixing vessel; add 50 parts of Part B and mix thoroughly.

### STORAGE

Novagard 600 Series 600-200 may be stored in the original unopened containers at, or below, 80°F (27°C) for up to six (6) months.

### AVAILABILITY

Novagard 600 Series 600-200 is available in 5-gallon pails or 55-gallon drums.

### PRECAUTIONS

Do not estimate weights and measures. The product is a mix ratio sensitive and requires accurate metering (1 part A:1 part B v/v). Part A is slightly moisture sensitive and will begin to cure and skin over if left exposed for prolonged periods.

### GENERAL PROPERTIES

#### BEFORE CURE

Physical Property	Test Method	Performance Range
Appearance	After mixing	Clear
Mix Ratio	Base: Cure (by volume)	1:1
Specific Gravity Mixed, 23 ± 2°C Part A Part B	ASTM D1875	0.95 – 1.05 0.95 – 1.05
Viscosity Part A Part B	Brookfield RT @ 20 rpm	2,000 – 4,000 cPs 2,000 – 4,000 cPs
Working Time	RT	10 – 15 minutes
Cure Time	RT	2 – 3 hours
Penetrometer	70-L0-PenUnw	4.0 – 5.0 mm
Service Temperature		-40°F to 400°F (-40°C to 204°C)

#### AFTER CURE

Physical Property	Test Method	Typical Value
Penetration	Internal Test Method	4.0 – 4.3 mm
Pull	Internal Test Method	3.5 – 4.75 inches

\*The values outlined reflect testing that was conducted under laboratory conditions after heat cure plus 3 days at 79° F (25°C)/50%, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult the manufacturer for additional information.

### ADDITIONAL INFORMATION

Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy, and safety.