Novagard® 600 Series 600-200
Silicone Dielectric Gel
Technical Data Specification

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
- Very soft to absorb shake and vibration

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 twelve (12) 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	Typical Value
Appearance (A, B, & Mixture)		Clear
Mix Ratio (A: B by volume or weight)		1:1
Specific Gravity Mixed, 23 ± 2˚C Part A Part B	ASTM D1875	 1.00 1.00
Viscosity (cPs) Part A Part B	ASTM E3119 Brookfield RT #4 @ 20 rpm	 2,000 – 4,000 2,000 – 4,000
Working Time (minutes)	Room Temperature	15
Cure Time (hours)	Room Temperature	3 – 24 hours
Service Temperature		-40°F to 392°F (-40°C to 200°C)

AFTER CURE

Physical Property	Test Method	Typical Value
Hardness (Shore 000)	ASTM D2240	15
Penetration (1/4 ± inch) mm	Internal Test Method	4.0
Pull (inch)	Internal Test Method	3.0

*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.

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