Novagard® 200 Series 200-202
Technical Data Sheet

NOVAGARD

DESCRIPTION
Novagard 200 Series 200-202 is a single-component silicone coating and encapsulating compound. A pourable product with solids content near 100%, Novagard 200 Series 200-202 cures, at room temperature, to a rubbery solid.

APPLICATIONS
Characterized by the semi-self-leveling nature, Novagard 200 Series 200-202 is ideal for applications that require a product with more flow and fluidity than a typical paste, and yet still retains enough thixotropy to prevent leakage during the cure cycle. Coating electrical and mechanical devices, and insulating electrical terminals are two of the many applications in which Novagard 200 Series 200-202 is often employed.

INSTALLATION
As with all single-component materials, the work life and cure times of Novagard 200 Series 200-202 are dependent upon environmental conditions such as temperature, humidity, and application thickness. Adhesion should be checked on small samples prior to full-scale production.

AVAILABILITY
Novagard 200 Series 200-202 is available in 10-ounce cartridges, 5-gallon pails, and 55-gallon drums.

STORAGE
Novagard 200 Series 200-202 has a shelf-life of twelve (12) months from the date of manufacture, as indicated by the lot number when stored in the original, unopened container at, or below, 75°F (24℃).

PRECAUTIONS / LIMITATIONS
Consult and obey all applicable local, state, and federal regulations for the disposal of solvent and silicone waste. For additional information consult product S.D.S.

Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine, or peroxides. Not recommended for surfaces that are to be painted.

In confined cure conditions, 200 Series 200-202 may discolor brass, copper, or other sensitive metals. Novagard 200 Series 200-202 may stress craze molded polycarbonate.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Black Liquid
Viscosity (cPs)	Brookfield #6 @ 10 rpm	20,000 – 35,000
Skin Over Time (minutes)	3/8” @ 50% RH & 77˚F	<20

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		0.95 – 1.01
Through Cure (hours)	3/8” @ 50% RH & 77˚F	57 – 63
Tensile Strength (psi)	ASTM D412	50 – 100
Elongation (%)	ASTM D412	245 – 300
Hardness (Shore A)	ASTM D2240	15 ± 5

ELECTRICAL PROPERTIES*

Electrical Property	Test Method	Typical Value
Dielectric Strength	ASTM D149	17.5 kV/mm 446 V/mil
Dielectric Constant at 100 Hz	ASTM D150	2.72
Dielectric Constant at 100 kHz	ASTM D150	2.70
Dissipation Factor at 100 Hz	ASTM D150	0.0034
Dissipation Factor at 100 kHz	ASTM D150	0.0021
Volume Resistivity (Ω cm) at 20V	ASTM D257	5.74×10^{12}
Volume Resistivity (Ω cm) at 100V	ASTM D257	2.92×10^{13}
Operating Temperature		-40°F – 392°F (-40°C – 200°C)

*The values outlined reflect testing that was conducted under laboratory conditions, 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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