

Novagard® 200 Series 200-251 Specification Data



DESCRIPTION

Novagard 200 Series 200-251 is a single-component silicone coating and encapsulating compound. A low viscosity fluid with excellent flow and self-leveling character, Novagard 200 Series 200-251 cures, at room temperature, to a clear, rubber-like solid. The product contains a UV tracer to aid in monitoring coverage.

APPLICATIONS

Novagard 200 Series 200-251 is a self-leveling liquid that is ideal for applications that require the coating to flow into small crevices and hard to reach areas. Coating intricate electrical and mechanical devices, insulating electrical terminals, and thin section potting are a few of the many applications in which Novagard 200 Series 200-251 is used.

INSTALLATION

As with all single component materials, work life and cure times of Novagard 200 Series 200-251 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 200-251 is available in 1 quart metal cans, 5 gallon pails, and 55 gallon drums. This is a non-stocked product subject to MOQ.

STORAGE

Novagard 200 Series 200-251 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.

PRODUCT SPECIFICATIONS

| Physical Property | Test Method | Performance Range |
|-------------------|----------------------|--------------------|
| Appearance | | Translucent Liquid |
| Viscosity | RVT #3 @ 5 rpm | 7,500 – 10,500 cPs |
| Skin Over Time | 3/8" @ 50% RH & 77°F | 20 minutes maximum |
| Through Cure | 3/8" @ 50% RH & 77°F | 72 hours |

TYPICAL PROPERTIES*

| Physical Property | Test Method | Typical Value |
|-------------------|-------------|---------------|
| Specific Gravity | | 0.95 – 1.01 |
| Tensile Strength | ASTM D412 | 30-50 psi |
| Elongation | ASTM D412 | 80-120% |
| Shore Hardness | ASTM D2240 | 20 ± 5 |

*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 manufacturer for additional information.

PRECAUTIONS / LIMITATIONS

Consult and obey all applicable local, state, and federal regulations for 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 200-251 may discolor brass, copper, or other sensitive metals. Novagard 200 Series 200-251 may stress craze molded polycarbonate.

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.