

# Novagard® 800-275 UV Cure Potting Compound Specification Data



## DESCRIPTION

Novagard RTV 800-275 is a UV/dual cure silicone potting compound. This non-corrosive, single-component silicone cures to a soft rubber upon exposure to ultra-violet light source.

## FEATURES & BENEFITS

- Exceptionally fast UV cure
- Single component
- Minimal oxygen inhibition
- Room temperature curing
- Solvent-free formulations
- Tack-free surface

## UV APPLICATION

All laboratory experiments were conducted using a mercury vapor "H" bulb. To achieve a tack free surface requires 0.30 seconds exposure at 500 mW/cm<sup>2</sup>, or 0.60 seconds at 245 mW/cm<sup>2</sup>. As with any UV curing system, longer exposure times are required for lower intensity lamp conditions.

## AVAILABILITY

Consult your Novagard sales representative for packaging options and volume requirements.

## STORAGE

Novagard RTV 800-275 may be stored refrigerated in the original, unopened container in the range of 4-8°C (40 - 48°F) for up to six (6) months.

## PRECAUTIONS

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.

## PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Clear Fluid
Viscosity	Brookfield RV #5 @ 20 rpm	5,000 – 9,000 cPs

## TYPICAL PROPERTIES\*

Physical Property	Test Method	Typical Value
Specific Gravity		0.98 – 1.05
Tensile Strength	ASTM D412	50 – 150 psi
Elongation	ASTM D412	200 – 400%
Shore A	ASTM D2240	10 - 20

\*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. Results are after UV cure.

## 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.