

Novagard® 800-610
UV Cured Gel
Specification Data



DESCRIPTION

Novagard RTV 800-610 is a UV cure silicone gel. This non-corrosive, single-component silicone will cure to an extremely soft rubbery gel upon exposure to ultra-violet light source.

FEATURES & BENEFITS

- Exceptionally fast UV cure
- Single component
- Minimal oxygen inhibition
- Room temperature curing
- Solvent-free formulations
- No corrosive by-products

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/cm², or 0.60 seconds at 245 mW/cm². 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 800-610 may be stored in the original unopened container at, or below, 80°F for up to twelve (12) 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
Specific Gravity		0.95 – 1.05
Viscosity	Brookfield RV #1 @ 10 rpm	1000 cPs maximum
Shore 00	ASTM D2240	60 – 70

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Volume Resistivity	ASTM D257	5.41 x 10 ¹⁴ ohm-cm
Dissipation Factor (100 Hz/100 kHz)	ASTM D150	0.0039/0.0024
Dielectric Constant (100 Hz/100 kHz)	ASTM D150	3.30/3.20
Dielectric Strength 10 mil gap	ASTM D149	500 v/mil

*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.