

NOVAGARD® SILICONES

RTV 800-400 Specification Data

DESCRIPTION

Novagard RTV 800-400 is a UV cure sealant. This non-corrosive, single-component silicone sealant will cure to a solid rubber upon exposure to ultra-violet light source.

UV APPLICATION

All laboratory experiments were conducted using a mercury vapor lamp operating at 125 and 300 WPI. 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 Novagard Sales representative for packaging options and volume requirements.

STORAGE

Novagard RTV 800-400 may be stored in the original unopened containers at, or below, 80° F for up to three months.

PRODUCT SPECIFICATIONS*

Physical Property	Test Method	Performance Range
Appearance	Novagard 10-10-01	Translucent paste
Extrusion Rate @ 50 psi, 1/8" orifice	Novagard 10-10-50	40 gm/min minimum
Slump (Flow)	ASTM D2202	0.3" maximum

* Specifications are subject to change. The information provided in the above table is not intended for use in preparing specifications. Please consult Novagard for additional information.

PRECAUTIONS

Consult and obey all applicable local, state and federal regulations for disposal of silicone waste. For additional information consult product M.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.

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.

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.02-1.05
Tensile Strength*	ASTM D412	450 psi
Elongation *	ASTM D412	1400%
Shore Hardness*	ASTM D 2240	30

*The values outlined reflect testing that was conducted on laboratory prepared specimens, actual results may vary. Results are after UV cure plus 7 days at 25°C/50% RH moisture cure.

Form Name
10-D2-RX8400

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