

NOVAGARD® SILICONES

RTV 800-305 Specification Data

DESCRIPTION

Novagard RTV 800-305 is a UV/Dual cure sealant and adhesive. This non-corrosive, single-component silicone sealant will cure to a solid rubber upon exposure to ultra-violet light source. A secondary moisture cure component will develop adhesion to a wide variety of substrates.

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 800-305 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
Skin Time (moisture cure only)	Novagard 10-10-57	30-45 minutes

* 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	350 psi minimum
Elongation *	ASTM D412	350 % minimum
Shore Hardness*	ASTM D 2240	35 ± 5
Adhesion-peel* Glass Aluminum ABS Plastic	ASTM 903	7-10 pounds/linear inch.

*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.

Novagard **Solutions™**

5109 Hamilton Avenue
Cleveland, OH 44114

Phone: (216) 881-3890 Facsimile: (216) 881-6977

www.novagard.com

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