

NOVAGARD[®]

SILICONES

RTV 400-100

Specification Data

DESCRIPTION

Novagard[®] RTV 400-100 is a non-corrosive, single-component oxime silicone sealant and/or adhesive. A non-flowable, paste product RTV 400-100 presents an excellent balance between rate of cure, adhesion and physical properties. Lower odor than conventional acetoxy cured silicones.

APPLICATIONS

RTV 400-100 functions as an adhesive sealant, which develops bond to most common substrates without the use of a primer. This ready-to-use, single-component compound is typically used as an adhesive to bond dissimilar materials, as a sealant for creating formed-in-place gaskets, or a multitude of other applications.

INSTALLATION

As with all single component materials, worklife and cure times of RTV 400-100 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[®] RTV 400-100 is available in 5-gallon pails, and 55-gallon drums.

STORAGE

Novagard[®] RTV 400-100 has a shelf-life of eighteen (18) 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		White paste
Viscosity	Brookfield #7 @ 10rpm	4500 - 7500 poises
Skin Over Time	3/8" @ 50%RH & 77F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77F	24 hours

PRECAUTIONS

Consult and obey all applicable local, state and federal regulations for disposal of solvent and 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		1.15 – 1.25
Tensile Strength	ASTM D412	160-200 psi
Elongation	ASTM D412	500-600%
Tear Resistance	ASTM D 624	30-35 pli
Shore Hardness	ASTM D 2240	25 ± 5
Adhesion		
Glass		12-15 pli
Aluminum	ASTM D 903	10-14 pli
Lexan [®]		12-15 pli

*The values outlined reflect testing that was conducted on laboratory prepared specimens, 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.

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