

Novagard® RTV 400-900

Specification Data



DESCRIPTION

Novagard RTV 400-900 is a single-component, silicone compound. A non-flowable, white paste product, Novagard RTV 400-900 cures to a solid rubber with many of the same characteristics as any normal silicone RTV except that it has low adhesion. It has lower odor than conventional acetoxycured silicones.

APPLICATIONS

Novagard RTV 400-900 functions as a low adhesion sealant, which develops a removable bond to most common substrates. This ready-to-use, single-component compound is typically used for creating formed-in-place gaskets where user re-entry or post-production disassembly is required.

INSTALLATION

As with all single component materials, work life and cure times of Novagard RTV 400-900 are dependent upon environmental conditions such as temperature, humidity, and application thickness. Product compatibility should be checked on small samples prior to full-scale production.

AVAILABILITY

Novagard RTV 400-900 is available in 10.3 oz. cartridges, 5 gallon pails, and 55 gallon drums.

STORAGE

Novagard RTV 400-900 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.

PRECAUTIONS / LIMITATIONS

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.

In confined cure conditions, RTV 400-900 may discolor brass, copper, or other sensitive metals. RTV 400-900 may stress craze molded polycarbonate.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		White Paste
Viscosity	Brookfield #7 @ 10 rpm	320,000 – 550,000 cPs
Skin Over Time	3/8" @ 50% RH & 77°F	30-40 minutes
Through Cure	3/8" @ 50% RH & 77°F	24 hours

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.20 – 1.30
Tensile Strength	ASTM D412	200 - 250 psi
Elongation	ASTM D412	250 - 350%
Shore Hardness	ASTM D2240	40 ± 5
Adhesion Glass Aluminum Plastics	ASTM D903	No bond

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