

Novagard® 400 Series 400-900

Specification Data

NOVAGARD®

DESCRIPTION

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

APPLICATIONS

Novagard 400 Series 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, the work life and cure times of Novagard 400 Series 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 400 Series 400-900 is available in 10 oz. cartridges, 5-gallon pails, and 55-gallon drums.

STORAGE

Novagard 400 Series 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 (24°C).

PRECAUTIONS / LIMITATIONS

Consult and obey all applicable local, state, and federal regulations for the 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, Novagard 400 Series 400-900 may discolor brass, copper, or other sensitive metals. It may stress craze molded polycarbonate.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		White Paste
Cure Chemistry		Oxime Silicone
Viscosity (cPs)	Brookfield #7 @ 10 rpm	320,000 – 550,000
Skin Over Time	3/8" @ 50% RH & 77°F (25°C)	30-40 minutes
Through Cure	3/8" @ 50% RH & 77°F (25°C)	24 hours

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.20 – 1.30
Tensile Strength (psi)	ASTM D412	200 - 250
Elongation (%)	ASTM D412	250 - 350
Hardness (Shore A)	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 77°F (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.