

Novagard® 900 Series 900-1xx Technical Data Specification



DESCRIPTION

Novagard RTV 900 Series products are high performance joint sealants for use in both moving and non-moving joint applications. Novagard RTV 900 sealer/adhesives may be applied on standing seams, cosmetic seams, truck bed seams, tooled door skin seams, floor pan seams, core support seams, brushed seams, and other applications in which a non-sag cosmetic seam sealer is required. RTV 900 sealer/adhesive is UV resistant.

FEATURES & BENEFITS

- Wide range of compatibility
- Single component
- Paintable
- Primerless adhesion: aluminum, glass, and steel
- Non-sag rheology
- Room temperature curing
- Solvent free formulations
- No corrosive byproducts

INSTALLATION

As with all single-component materials, the work life and cure times of Novagard RTV 900-100 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 900 Series products are available in 12 packs of 9.5 oz (280 ml) cartridges, 5-gallon pails, and 55-gallon drums.

STORAGE

Novagard RTV 900 series products may be stored in the original unopened containers at, or below, 80° F (27° C) for up to 15 months.

PRECAUTIONS

Consult and obey all applicable local, state, and federal regulations for the disposal of solvent and silicone waste. For additional information consult the product S.D.S. Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine, or peroxides.

PRODUCT SPECIFICATIONS*

| Physical Property | Test Method | Performance Range |
|-------------------|------------------------|-------------------|
| Appearance | 900-100 | White paste |
| | 900-102 | Black paste |
| | 900-111 | Grey paste |
| | 900-140 | Neutral paste |
| Extrusion Rate | 1/8" orifice; 90 psi | > 100 gms/min |
| Skin time | 70-L0 Skin (NTM) | 15 – 45 minutes |
| Specific Gravity | 70-L0 Gravity (NTM) | 1.35 – 1.45 |
| Slump | Boeing Jig ASTM D 2202 | < 0.1" |

TYPICAL PROPERTIES *

| Physical Property | Test Method | Typical Value |
|------------------------|---------------------------|-------------------|
| Viscosity (cPs) | Brookfield HB #7 @ 10 rpm | 250,000 – 600,000 |
| Tensile Strength (psi) | ASTM D412 | > 200 |
| Elongation (%) | ASTM D412 | > 200 |
| Hardness (Shore A) | ASTM D2240 | 40 – 55 |

*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 the manufacturer for additional information.

ADDITIONAL INFORMATION

Novagard believes that the information provided is an 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.