

RTV 500-102

Non-Corrosive



DESCRIPTION

Novagard® RTV 500-102 is a single-component, neutral-cure, silicone sealant and/or adhesive that provides fast tack-free time, fire resistance and cures with no corrosive byproducts.

FEATURES & BENEFITS

- Wide range of compatibility
- Single component
- Primerless adhesion:
aluminum, polycarbonate,
glass, steel, Tedlar®
- Non-sag rheology
- Excellent dielectric properties
- Room temperature curing
- Solvent free formulations
- No corrosive byproducts

APPLICATIONS

Non-corrosive when tested in accordance with Mil Spec A-46146B, RTV 500-102 is ideal for applications that require quick cures and early green strength development on electronic components, circuit boards and other sensitive components. As an adhesive, RTV 500-102 out performs slower materials in multi-step assembly applications where early strength is needed. Designed primarily for engineering applications in a wide variety of industries,

INSTALLATION

As with all single component materials, work life and cure times of RTV 500-102 is dependent upon environmental conditions such as temperature, humidity and application thickness. Adhesion should be checked on small samples prior to full scale production.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Black paste
Extrusion Rate	1/8" orifice; 90 psi	> 200 gms/min
Skin Over Time	1/8" @ 50%RH & 77F	15 minutes max.
Through Cure	1/8" @ 50%RH & 77F	24 hours maximum

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 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.

STORAGE

Novagard® RTV 500-102 may be stored in the original unopened containers at, or below, 80° F for up to one year.

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.00 – 1.05
Tensile Strength	ASTM D412	150 - 200 psi
Elongation	ASTM D412	500 - 550%
Tear Resistance	ASTM D 624	20 - 25 pli
Shore Hardness	ASTM D 2240	20 ± 5
Adhesion		
Glass	ASTM D910	12 - 15 pli
Aluminum		12 - 15 pli
Polycarbonate		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.

Form Name
10-D2-RX5102

Novagard **Solutions™**
5109 Hamilton Avenue
Cleveland, OH 44114
Phone: (216) 881-3890 Facsimile: (216) 881-6977
WWW.NOVAGARD.COM

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