

RTV 500-940 & RTV 500-942

UL 94 V0 RATED



DESCRIPTION

Novagard® RTV 500-940 and RTV 500-942 are non-corrosive, single-component silicone sealants and/or adhesives that provide fast tack-free times, flame and fire resistance and excellent electrical insulation and arc-resistance properties.

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 post cure required
- UL rated

APPLICATIONS

Specially formulated to retain its physical properties even during service in extreme environmental conditions, These products are smooth pastes that are ideal for applications that require superior bond strength and flame resistance. Designed primarily for industrial applications, these materials are well suited to sealing and bonding applications to a wide variety of plastic and non-porous substrates.

INSTALLATION

As with all single component materials, work life and cure times of both RTV 500-940 and RTV 500-942 are 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	RTV 500-940 RTV 500-942	White paste Dark grey paste
Extrusion Rate	1/8" orifice; 90 psi	> 300 gms/min
Skin Over Time	1/8" @ 50%RH & 77F	60 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 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.

STORAGE

Novagard® RTV 500-940 and RTV 500-942 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		1.50 – 1.60
Tensile Strength	ASTM D412	200 -250 psi
Elongation	ASTM D412	150 - 250%
Tear Resistance	ASTM D 624	30-35 pli
Shore Hardness	ASTM D 2240	45 ± 5
Adhesion		
Glass	ASTM D910	150 - 200 psi
Aluminum		150 - 200 psi
Polycarbonate		120 - 150 psi
Flammability Class	UL 94 File #E112126	V0

*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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