

NOVAGARD® SILICONES

RTV 400-110 Specification Data

DESCRIPTION

Novagard RTV 400-110 is a non-corrosive, single-component silicone sealant that will cure upon exposure to atmospheric moisture, at room temperature, to a rubber-like solid.

APPLICATIONS

Specially formulated to retain its physical properties even during service in extreme environmental conditions, RTV 400-110 is a smooth, gray paste that is ideal for applications that require superior bond strength and moisture resistance. Designed primarily for industrial applications, 400-110 is well suited to sealing and bonding applications within many arenas.

INSTALLATION

As with all single component materials, worklife and cure times of RTV 400-110 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® RTV 400-110 is available in 10.3 oz. cartridges, 5-gallon pails, and 55-gallon drums.

STORAGE

Novagard® RTV 400-110 may be stored in the original unopened containers at, or below, 100° F for up to one year.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Black Paste
Specific Gravity		1.04 – 1.16
Extrusion Rate	Novagard 10-10-50 90 1/8" nozzle @ 90 psi	100 gm/min minimum
Slump (Flow)	ASTM D2202	0.3" maximum
Skin Time	3/8" @ 50%RH & 77 F	3 - 10 minutes
Shore Hardness	ASTM D 2240	20 minimum
Through Cure	1/8" @ 50%RH & 77 F	2 – 24 hours

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.

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Tensile Strength	ASTM D412	300 - 400 psi
Elongation	ASTM D412	300 – 400 %
Chemical Resistance Gasoline Brake Fluid Antifreeze Wheel Cleaner	LLTM A-002	No Effect No Effect No Effect No Effect
Adhesion Chrome plated plastic Acrylic coated metal	ASTM D 903 7 Days @ 75°F / 100% r.h	20 pli minimum 20 pli minimum
Adhesion Chrome plated plastic Acrylic coated metal	ASTM D 903 21 Days @ 100°F / 100% r.h	20 pli minimum 20 pli minimum

*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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