Novagard® 400 Series 400-118
Technical Data Sheet

NOVAGARD

DESCRIPTION
Novagard 400 Series 400-118 is a 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, Novagard 400 Series 400-118 is a smooth, gray paste that is ideal for applications that require superior bond strength and moisture resistance. Designed primarily for industrial applications, Novagard 400-118 is well suited to sealing and bonding applications within many arenas.

INSTALLATION
As with all single-component materials, the work life and cure times of Novagard 400 Series 400-118 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 400 Series 400-118 is available in 10-ounce cartridges, 5-gallon pails, and 55-gallon drums.

STORAGE
Novagard 400 Series 400-118 may be stored in the original unopened containers at, or below, 100˚F (38˚C) for up to one year.

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 400-118 may discolor brass, copper, or other sensitive metals. Novagard 400 Series 400-118 may stress craze molded polycarbonate.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Gray Paste
Cure Chemistry		Oxime Silicone
Skin Time	3/8" @ 50% RH & 77°F	3 – 10 minutes
Through Cure	1/8" @ 50% RH & 77°F	2 – 24 hours
Extrusion Rate	1/8" orifice @ 90 psi	>100 g/minute
Slump (Flow)	ASTM D2202	<0.3"

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.04 – 1.16
Hardness (Shore A)	ASTM D2240	< 45
Tensile Strength (psi)	ASTM D412	300 – 400
Elongation (%)	ASTM D412	300 – 500
Chemical Resistance Gasoline Brake Fluid Antifreeze Wheel Cleaner	Internal Test Method	 No Effect No Effect No Effect No Effect
Listings/Specifications		Chrysler MSCD135 GM 9985557 GMW18180

*The values outlined reflect testing that was conducted under laboratory conditions, 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 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.

5109 Hamilton Ave., Cleveland, OH 44114 USA | P (216) 881-8111 | F (216) 881-6977 | novagard.com | ISO 9001:2015, IATF 16949:2016