Novagard 2-k Electronics Grade Adhesive 500-652
Preliminary Specification Data –Technical Data Sheet

NOVAGARD®

DESCRIPTION
Novagard 2-Component Electronics Grade Adhesive (xxx) is a two-component, 100% silicone, neutral cure sealant that rapidly builds adhesive and elastomeric strength.

QGP demonstrates outstanding long-term resistance to natural weathering including: extreme temperatures, ultraviolet radiation, rain and snow, with negligible change in elasticity. All with the simplicity of a 2:1 fixed ratio, two-part, neutral-cure silicone.

APPLICATIONS
Novagard 2-Component Electronics Grade Adhesive functions as an adhesive sealant which develops bond to most substrates. It allows for high unit throughput, low pumping viscosity on dispensing equipment, and void-free filling of the sealant joint

STANDARDS
TBD.

INSTALLATION
As with all two component materials, worklife and cure times of Novagard 2-Component Electronics Grade Adhesive are dependent upon environmental conditions such as temperature. Adhesion should be checked on small samples prior to full-scale production.

AVAILABILITY
Novagard 2-Component Electronics Grade Adhesive is available in 400ml 2-component, 2:1 cartridges (266ml/133ml), 5 gal pails, and 55 gal drums.

STORAGE
Novagard 2-Component Electronics Grade Adhesive has a shelf life of six (6) months from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at, or below, 75°F.

PRECAUTIONS
Consult and obey all applicable local, state, and federal regulations for disposal of solvent and silicone waste. For additional information consult product SDS.

Compatibility testing is recommended on all materials that are to be in direct contact with Novagard 2-Component Electronics Grade Adhesive. Do not use in or around highly oxidative chemicals such as liquid oxygen, chlorine, or peroxides.

LIMITATIONS
Not recommended for: Joints continuously submerged under water; Areas needing paint or stain.

TYPICAL UNCURED PROPERTIES*

Physical Property	Base (Part A)	Catalyst (Part B)
Appearance	Black	Off-white
Viscosity Brookfield HBT #4	40,000 – 60,000 cps	30,000 – 55,000 cps
Specific Gravity	1.30 – 1.40	1.60 – 1.70

MIX RATIO BY WEIGHT*

Physical Property	Base to 1 gm Of Catalyst
Base Ratio by Volume	2:1
Base Weight (gm)	1.6

MIXED PROPERTIES*

Physical Property	Typical Value
Color	Black
Specific Gravity	1.45
Snap Time Range	8-12 minutes
Tack-Free Range	15 - 20 minutes
Sag, Boeing Jig	< 0.1

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TYPICAL CURED PROPERTIES (2:1 by volume)*

Physical Property	Test Method	Typical Value
Color		Black
Tensile Strength	ASTM D412	TBD
Elongation	ASTM D412	TBD
Shore A Hardness	ASTM D2240	TBD
Peel Strength Aluminum Glass	ASTM C794	TBD
Green Strength 15 minutes 30 minutes	ASTM C1135	TBD

*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 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.

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