

Novagard® 500 Series 500-257 Specification Data



DESCRIPTION

Novagard 500 Series 500-257 is a non-corrosive, single-component silicone coating and encapsulating compound. A pourable product with solids content near 100%, 500 Series 500-257 cures at room temperature to a rubbery solid.

APPLICATIONS

Characterized by the semi-self-leveling nature, 500 Series 500-257 is ideal for applications that require a product with more flow and fluidity than a typical paste, and yet still retains enough thixotropy to prevent leakage during the cure cycle. Coating electrical and mechanical devices, and insulating electrical terminals are a two of the many applications in which 500 Series 500-257 is often employed.

INSTALLATION

As with all single component materials, work life and cure times of Novagard 500 Series 500-257 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 500 Series 500-257 is available in 10.3 ounce cartridges and 5 gallon pails.

STORAGE

Novagard 500 Series 500-257 has a shelf life of twelve (12) months from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at, or below, 70°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.

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.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Translucent Liquid
Viscosity	Brookfield #3 @ 10 rpm	35,000 – 40,000 cps
Skin Over Time	3/8" @ 50% RH & 77°F	20 - 45 minutes
Through Cure	3/8" @ 50% RH & 77°F	72 hours

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		0.95 – 1.01
Shore Hardness	ASTM D2240	10 ± 5
Tensile Strength	ASTM D412	35 psi
Peel Strength (Stainless Steel)	ASTM D903	3.3 lbf/in
Shear Strength (Aluminum to Aluminum)	ASTM D1002	24 psi
Elongation	ASTM D412	460%

*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.