

Novagard® 400 Series 400-195

Specification Data

NOVAGARD®

DESCRIPTION

Novagard 400 Series 400-195 is a single-component silicone sealant and/or adhesive. A non-flowable, paste product, Novagard 400 Series 400-195 provides fast tack-free times and high green strength.

APPLICATIONS

As it is a faster curing version of Novagard 400 Series 400-150, Novagard 400 Series 400-195 is ideal for applications that require quick cures and early green strength development. As an adhesive, Novagard 400 Series 400-195 outperforms slower materials in multi-step assembly applications where the fast-tack and early strength combine to hold the assembly together as the unit moves from station to station.

INSTALLATION

As with all single-component materials, the work life and cure times of Novagard 400 Series 400-195 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 400-195 is available in 10 oz. cartridges, 5-gallon pails, and 55-gallon drums.

STORAGE

Novagard 400 Series 400-195 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, 75°F (24°C).

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 Series 400-195 may discolor brass, copper, or other sensitive metals. Novagard 400-195 may stress craze molded polycarbonate.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Translucent Paste
Skin Over Time	3/8" @ 50% RH & 77°F	4 – 7 minutes
Through Cure	1/8" @ 50% RH & 77°F	72 hours max
Specific Gravity		1.00 – 1.06
Viscosity (cPs)	Brookfield HB, #7 @ 10rpm	350,000 – 800,000
Hardness (Shore A)	ASTM D2240	15 – 35
Tensile Strength (psi)	ASTM D412	>150
Elongation (%)	ASTM D412	>300
Extrusion Rate	1/8" orifice @ 90 psi	>100 g/min

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Adhesion (pli)	ASTM C794	
Glass		12 – 15
Aluminum		10 – 14
Wood		12 – 15
Tear Resistance (pli)	ASTM D624	30 – 35
Dielectric Strength	ASTM D149	>27.9kv/mm (708 volt/mil)
Volume Resistivity (Ω – cm)	ASTM D257	1.5×10^{15}
Listings/Specifications		GM 9985557 GMW18180 GMW17356

*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. 400-195 meets GMW17356 specification when foamed with nitrogen.

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.