

**Novagard® 800-260**  
**UV Cure Conformal Coating**  
**Specification Data**



**DESCRIPTION**

Novagard RTV 800-260 is a unique UV/dual cure silicone conformal coating for application on printed circuit boards.

**FEATURES & BENEFITS**

- Exceptionally fast UV cure
- Single component
- Controlled rheology
- Minimal oxygen inhibition
- Room temperature curing
- Solvent-free formulation
- UL 746E Listed
- UV tracer for ease of inspection

**APPLICATION**

To preserve the UL rating of this conformal coating, the application of Novagard RTV 800-260 must be strictly controlled. Application details should be reviewed with a Novagard representative and matched to the UL listing.

**UV CURE CONDITIONS**

All laboratory experiments were conducted using a mercury vapor "H" bulb. A tack-free surface requires 0.30 seconds exposure at 500 mW/cm<sup>2</sup> (UVA) or 0.60 seconds at 250 mW/cm<sup>2</sup> (UVA). As with any UV curing system, longer exposure times are required for lower intensity lamp conditions.

**AVAILABILITY**

Novagard RTV 800-260 is available in 10.3 ounce cartridges, 5 gallon pails, and 55 gallon drums.

**STORAGE**

Novagard RTV 800-260 may be stored refrigerated in the original, unopened container in the range of 4-8°C (40 - 48°F) for up to six (6) months.

**LIMITATIONS**

Not recommended for surfaces that are to be painted.

**PRECAUTIONS**

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

**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.

**PRODUCT SPECIFICATIONS**

Physical Property	Test Method	Performance Range
Appearance		Clear Fluid
Viscosity	Brookfield RV #5 @ 20 rpm	1,800 – 4,000 cPs
Skin Time (H <sub>2</sub> O)	1/8" @ 50% RH & 77°F	60 minutes minimum

**TYPICAL CURED PROPERTIES\***

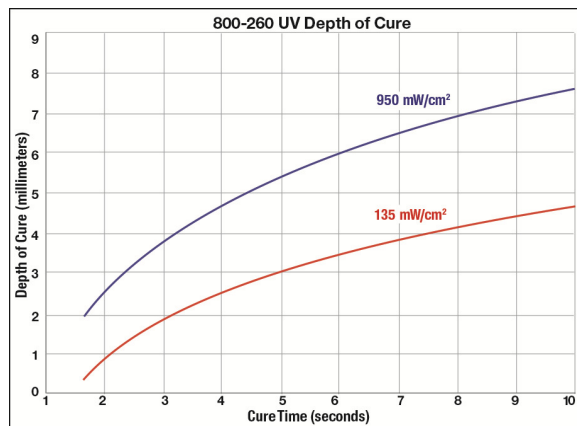
Physical Property	Test Method	Typical Value
Specific Gravity		0.98 – 1.05
Tensile Strength	ASTM D412	50 psi minimum
Elongation	ASTM D412	250 – 450%
Shore A	ASTM D2240	10 – 25
Solids Content		>98%

**ELECTRICAL/THERMAL PROPERTIES\***

Physical Property	Test Method	Typical Value
Dielectric Strength	ASTM D149	424 v/mil
Dielectric Constant	ASTM D150	3.35 @ 100 Hz
Dissipation Factor	ASTM D150	0.0034 @ 100 Hz
Volume Resistivity	ASTM D257	4.58 x 10 <sup>13</sup> Ω-cm
Coefficient of Thermal Expansion		3 x 10 <sup>-4</sup> /°C
Operating Temperature		-40°C to 200°C

UL 746E Listed	QMJU2	File Number E345993
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\* The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. Results are after UV cure.



Product was UV cured using a F300S/F300SQ Fusion UV System equipped with a standard "H" bulb.