



ELECTRONICS SELECTION GUIDE

Product	Description	Color / Appearance	Shore Hardness	Extrusion Rate	Tack Time	Full Cure Time	Specific Gravity
500-094	Single component silicone based sealant and/or adhesive provides fast tack-free times, flame and fire resistance and excellent electrical insulation and arc-resistance properties, specifically designed for electronics applications.	Paste	35+/-5	>250 gms/min	15 minutes maximum	24 hours maximum	1.50—1.60

Product	Description	Color	Shore Hardness	Specific Gravity	Mix Ratio	Viscosity	Work Time	Full Cure Time
600-200	These are addition cure silicone gels for potting and encapsulation. Once mixed at the proper ratio, these non-corrosive, two-component silicone compounds will cure to a soft re-enterable gel.	Clear	—	0.95—1.05	1:1	4,000-8,000 cps	10-15 minutes	3-4 hours
600-280	This group is comprised of two-component silicones that when mixed, cure to a flexible elastomer. This material is ideally suited for application as a general potting compound in power supplies, connectors, industrial controls, and junction boxes.	Clear	50-60	0.95—1.10	1:1	5,000-9,000 cps	<20 minutes	15-30 minutes
600-310		Gray Black	70-80	1.70-1.80	1:1	5,000-10,000	<15 minutes	2-3 hours
600-410		Dark Gray	30-50	1.30-1.40	1:1	2,000-5,000 cps	<15 minutes	2-3 hours

NOVAGARD

Solutions™

Product	Description	Appearance / Color	Cure Type	Depth of Cure (1 second @650 mW/cm ²)	Viscosity (cps), Brookfield, 25° C	Tensile Strength	Elongation at Break (%)	Shore Hardness
800-260 (Flowable)	Novagard RTV 800-260 is a UV/dual moisture cure silicone conformal coating for application on printed circuit boards.	Translucent	UV, moisture, neutral	3/16" (5mm)	5,500	50 psi	100%	25
800-231 (Paste)	These UV cure sealants are available in semi-flowable and paste. They will cure within three seconds when exposed to a UV light source. They are ideal for increasing through-put and eliminating the need to rack parts.	Hazy fluid	UV only		25,000-35,000	50 psi	500%	25
800-401 (Paste)		Translucent	UV only	3/16" (5mm)	Soft Paste	450 psi	1400%	35

Product	Description	Appearance / Color	Cure Type	Depth of Cure (1 sec @ 650 mW/cm ²)	Viscosity (cps), Brookfield, 25°C)	Penetration (Shore 00)	Specific Gravity	Dielectric Strength volts/mil kV/mm	Dielectric Constant at 100 Hz/100kHz z	Volume Resistivity, ohm-cm	Dissipation Factor at 100 Hz/100kHz
800-610 (Gel)	Novagard RTV 800-610 and RTV 800-620 are UV cure silicone gels. These non-corrosive, single-component silicones will cure to extremely soft rubbery gels upon exposure to ultra-violet light source.	Clear	UV only	1/4" (6mm)	<500 cps	80	0.98	500 / 20	3.30 / 3.20	5.41 x 10 ¹⁴	0.0039/0.0024
800-620 (Gel)		Clear	UV only	1-4" (6mm)	1500 cps	60	0.98	480 / 19	3.37 / 3.34	4.66 x 10 ¹⁴	0.0036/0.0029