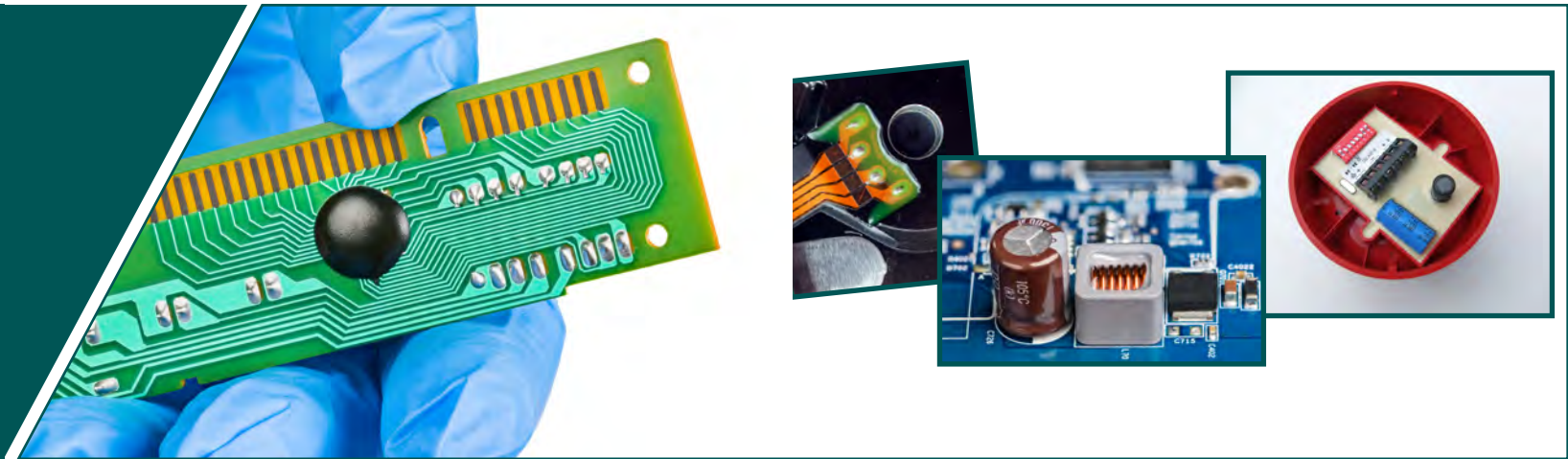




## **ENCAPSULATING & POTTING COMPOUNDS**

## Highlights

- Wide range of potting and encapsulant solutions available in epoxy, urethane, and silicone chemistries.
- Some products are available in Triggerbond®- a convenient dual barrel cartridge.
- Viscosities range from 250cps to thixotropic and pastes.
- Pot life ranges from minutes to hours.
- Available colours include clear, yellow, red, blue, tan, amber, gray, and black.
- Broad operating temperature range, from as low as -70°C and as high as +300°C.
- Various products meet different standards such as flame retardant UL 94 V-0 Listed, low outgassing NASA ASTM E595, biocompatible ISO 10993-5, and FDA regulations.
- An assortment of formulations provides unique properties such as excellent surface and volume resistivity, excellent dielectric strength, excellent chemical resistance, excellent impact and vibration resistance, thermal shock resistance, non-yellowing, low toxicity polyurethane, and low coefficient of thermal expansion epoxy.



**Note** Not all products are listed. Custom formulations are available upon consultation.

Urethane									
Product	Description	Color	Mix Ratio*	Pot life	Viscosity (cps)	Specific Gravity	Hardness	Operating Temperature Range (°C)	Triggerbond® (dual cart)
20-2024	Lightweight rigid polyurethane foam with a density of 2 lbs/ft <sup>3</sup> .	Tan	4:5	1 min.	400	1.23	Foam	-50 to +120	-
20-2100	Thermal shock resistant, low viscosity polyurethane potting and encapsulant.	Black	100:20	40 min.	1,600	1.1	40A	-30 to +125	-
20-2101	Polyurethane gel with excellent dielectric strength and low toxicity.	Clear	1:4	20 min.	1,600	1.1	Gel	-30 to +125	Y
20-2160	Soft polyurethane with excellent dielectric strength and low toxicity.	Black	1:2	20 min.	2,500	1.1	60A	-30 to +125	Y
20-2162	Low viscosity polyurethane sealant and encapsulant with flow control available in Triggerbond®.	Black	100:57	45 min.	1,000	1.1	55A	-30 to +125	Y
20-2175	Quick set polyurethane encapsulant with flow control available in Triggerbond®.	Black	1:1	6 min.	Thixotropic	1.1	75D	-40 to +125	Y
20-2180	Medium hardness polyurethane with excellent dielectric strength and low toxicity.	Black	1:2	20 min.	1,700	1.1	80A	-55 to +125	Y
20-2305	Unfilled, low stress potting and encapsulating urethane.	Black	100:10	1 hr.	3,000	0.91	35A	-40 to +125	-
20-2353 <sup>o</sup>	Flexible potting and encapsulating polyurethane with excellent surface and volume resistivity.	Black	100:12	2 hr.	3,500	1	50A	-40 to +125	-
20-2355	Repairable polyurethane potting and encapsulating system.	Black	100:30	1 hr.	2,000	0.9	25A	-40 to +130	-
20-2356	Soft potting and encapsulating polyurethane with excellent surface and volume resistivity. Faster curing version of 20-2350.	Black	100:10	15 min.	4,000	0.9	45A	-40 to +125	-
20-2360	Soft potting and encapsulating polyurethane with excellent surface and volume resistivity.	Black	100:40	40 min.	1,600	0.9	90A	-40 to +125	-
20-2362FR	Flame retardant, UL 94 V-0 listed soft urethane with low viscosity.	Black	100:22	20 min.	2,500	1.22	90A	-40 to +125	-
20-2620	Semi-flexible, clear, potting urethane with low viscosity.	Clear	1:1	1 hr. 20 min.	2,700	1.1	85A	-40 to +135	Y
DC-2606	Low viscosity, non-yellowing, crystal clear doming polyurethane.	Clear	1:1	7 min.	450	1.1	80D	-40 to +135	Y
DC-2620	Non-yellowing, crystal clear doming polyurethane.	Clear	1:1	7 min.	1,650	1.1	50D	-40 to +135	Y
20-2621	Water clear urethane with UV resistance	Clear	1:1	1 hr. 20 min.	2,700	1.1	85A	-40 to +135	Y

\*The mix ratio for Triggerbond® products is by volume; all other products are by weight. For products with variable mix ratios, refer to the product data sheet for more information.  
<sup>o</sup> Not REACH and RoHS Compliant  
 Δ RoHS Compliant only.

Epoxy									
Product	Description	Color	Mix Ratio*	Pot life	Viscosity (cps)	Specific Gravity	Hardness	Operating Temperature Range (°C)	Triggerbond® (dual cart)
20-3001NC <sup>A</sup>	A low viscosity, unfilled system which forms a bubble free glass like finish when cured.	Black, Clear	1:1	20 min.	1,000	1.12	65D	-50 to +150	Y
20-3004HV <sup>A</sup>	Excellent chemical resistance with a high viscosity.	Gray	2:1	1.5 hr.	Gel	1.06	78D	-50 to +150	-
20-3004LV <sup>A</sup>	Excellent chemical resistance with a low viscosity.	Gray	2:1	1.5 hr.	7,000	1.17	78D	-50 to +140	Y
20-3006 <sup>A</sup>	Flexible epoxy potting compound with easy 1:1 mix ratio.	Black	1:1	2 hr.	20,000	1.45	75A/30D	-50 to +140	Y
20-3030 <sup>A</sup>	Self-leveling, low viscosity epoxy with good dielectric strength.	Black	2:1	2.5 hr.	10,000	1.1	85D	-40 to +135	Y
20-3030LV <sup>A</sup>	Self-leveling, low viscosity epoxy with good dielectric strength. Low viscosity version of 20-3030.	Black	2:1	2.5 hr.	2,000	1.1	85D	-40 to +135	Y
20-3060 with CAT.190	Low viscosity epoxy with excellent impact and vibration resistance and improved chemical resistance.	Black	100:7.5	1 hr. 20 min.	10,000	1.5	82D	-50 to +135	-
20-3063 <sup>A</sup>	Low viscosity potting and encapsulating epoxy.	Gray	1:1	45 min.	6,700	1.54	80D	-40 to +130	-
20-3068 with CAT.190	Meets FDA regulations for indirect food contact epoxy potting compound.	Amber	100:15	40 min.	10,600	1	88D	-40 to +135	-
20-3200 with CAT.150	All purpose low viscosity potting epoxy with excellent dimensional stability.	Black, Blue	100:17	30 min.	1,700	1.5	90D	-55 to +170	-
20-3200 with CAT.30	All purpose low viscosity potting epoxy with excellent dimensional stability.	Black, Blue	100:12	1 hr.	3,600	1.5	90D	-55 to +170	-
20-3237	Epoxy rubber with great dielectric strength and impact resistance.	Clear	1:1	8 hr.	4,000	1.1	80A	-50 to +100	-
20-3238 <sup>A</sup>	Low viscosity epoxy designed for LED encapsulating and fiber optics.	Clear	100:35	45 min.	500	1.1	78D	-50 to +150	-
20-3241 <sup>A</sup>	Low viscosity epoxy for bubble free castings and great dielectric strength.	Black, Clear	2:1	30 min.	1,000	1.1	75A	-50 to +100	-
20-3242FR	Flame retardant potting epoxy that meets UL 94 V-0 requirements.	Black, Yellow	100:20	1 hr.	1,600	1.4	85D	-35 to +135	-
20-3300	High temperature and thermal shock resistant epoxy with easy 1:1 ratio.	Black	1:1	45 hr.	12,000	1.65	87D	-70 to +260	-
20-3302 <sup>A</sup>	Ultra clear epoxy with an RI of 1.523 at 589 nm.	Clear	1:1	30 min.	500	1.1	85D	-45 to +135	Y
20-3302NCLV <sup>A</sup>	Low viscosity version of the 20-3302 with an RI of 1.523 at 589 nm.	Clear	1:1	30 min.	250	1.1	85D	-45 to +135	Y
20-3305	Two part epoxy system ideal for thermal shock exposure	Black, Tan	100:25	50 min.	5,000	1.7	70D	-55 to +155	-

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 Δ RoHS Compliant only.  
<sup>o</sup> Not REACH and RoHS Compliant

## Epoxy

Product	Description	Color	Mix Ratio*	Pot life	Viscosity (cps)	Specific Gravity	Hardness	Operating Temperature Range (° C)	Triggerbond* (dual cart)
20-3401CL	Medical, Optical and Semiconductor Grade Epoxy System that passes ISO10993-5.	Clear	100:35	8 hr.	350	1.1	82D	-45 to +150	-
20-3650 <sup>Δ</sup>	Low viscosity, low coefficient of thermal expansion potting epoxy.	Gray	1:1	1 hr.	18,000	1.5	75D	-60 to +150	-
20-3652 with CAT.190	Machineable epoxy with great dielectric strength that passes the low outgassing NASA ASTM E595 standard.	Black	100:6	1 hr.	35,000	1.55	88D	-65 to +160	-
20-3722 with CAT.30	Low density potting epoxy with low shrinkage.	Black	100:20	3 hr.	Paste	0.82	80D	-60 to +160	-
DC-2501LV <sup>Δ</sup> with DC-890	Low viscosity, high gloss epoxy with a hard, enamel like finish ideal for filling in cavities.	Clear	2:1	1 hr.	1,000	1	85D	-40 to +110	-
DC-2550 <sup>Δ</sup>	Low viscosity flexible doming epoxy.	Clear	2:1	1 hr.	950	1.01	75A	-40 to +110	-

## Silicone

Product	Description	Color	Mix Ratio*	Pot life (minutes)	Viscosity (cps)	Specific Gravity	Hardness	Operating Temperature Range (° C)	Triggerbond* (dual cart)
20-1615 <sup>Δ</sup>	Water clear silicone with a low viscosity.	Clear	100:10	4 hr.	6,000	1.03	40A	-65 to + 205	-
20-1625	Optically clear 1:1 silicone potting system.	Clear	1:1	20 min.	4,500	0.98	25A	-55 to +200	Y
20-1650	High Temperature Silicone Potting Compound.	Red	1:1	20 min.	7,100	1.04	30A	-65 to +300	Y
20-1700	Soft, fast curing, clear silicone gel.	Clear	1:1	6 min.	6,500	0.98	Soft Gel	-55 to +200	Y
20-1705	Firm, fast curing clear silicone gel.	Clear	1:1	4 min.	6,500	0.98	Firm Gel	-55 to +200	Y

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Δ RoHS Compliant only.

◊ Not REACH and RoHS Compliant

## Applications

- LED Potting
- Junction Potting
- Power Module Potting
- Outdoor Potting
- Sensitive Electronics Component Potting
- Wire Harness & Wire Sealing

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