



EPOXY RESINS FOR ELECTRIC AND HYBRID VEHICLES

ADHESIVES, POTTING AND ENCAPSULANTS, LAMINATING, FILAMENT WINDING, SYNTACTICS, CURING AGENTS

Resin Formulators – exclusively engineered by the manufacturing division of GracoRoberts – is the time-tested and trusted brand of epoxy specialty materials that can be uniquely customized, tested and certified on-demand. Resin Formulators can help you with proprietary formulations for a specialty material, improving cure rates, or modifying color or viscosity.

Complete with a Director of Product Development, a Senior Research Chemist, a formulation and packaging team, and a lab designed for state-of-the-art product development, Resin Formulators has been delivering high-quality solutions to meet your advanced engineering needs for over 60 years.

COMMITMENT TO QUALITY AND SERVICE

GracoRoberts and Resin Formulators are fully qualified to design, manufacture, and distribute products to a variety of industries.

Certifications:

- ISO 9001:2015
- AS9100 (Rev. D)
- AS9120 (Rev. B)

To verify compliance with the requirements of these certifications, we engage in routine on-site examinations and audits of our processes. These certifications and our stringent self examination practices help ensure that we provide the highest quality products and services to our customers.

FEATURED PRODUCTS

RF 5407 Electrical insulation and high thermal conductivity

RF 2022 (Modification 1) Electrical isolation protection

RF 2969 (Modification 7) Electrically conductive bonding

RF 1710 Potting foam system to prevent vibration and secure components

RF 1146 A low density and high compressive strength potting epoxy

Continue on reverse side »

Application	Product	Capabilities
Structural Bonding	RF 1120	A semi-thixotropic adhesive that can be used on vertical surfaces without excessive bleed from the bond line. It has excellent adhesion to a variety of substrates (metal, plastic, and composites).
	RF 6100	Medium viscosity, high temperature bonding adhesive with service conditions up to 350 °F. It is ideal for metal and composite structures.
Electrical Bonding Batteries, Capacitors, Transducers, Transmitters	RF 2969	Thixotropic, electrically conductive epoxy that is E595 certified. Specially designed for applications where hot soldering is impractical or on parts that cannot be subjected to heat. Also available in one part pre-mixed and frozen. Room temperature or elevated temperature cure profile.
Thermal, Electrical and Environmental Protection Circuits, Charging Systems, EMI Filters	RF 5407*	Aluminum oxide filled epoxy with excellent electrical insulation properties, high thermal conductivity and high service temperatures. <small>*RF 5407 FR, flame retardant version which meets UL 94 V-0 requirements</small>
	RF 4407	Electrically isolating, self extinguishing, filled resin. The cured system is a thermally conductive plastic. Meets UL 94 V-0 requirements.
	RF 2022	Low viscosity, self extinguishing, high electrical isolation epoxy with good thermal conductivity properties. Protects against vibration, dust, particles, humidity and extreme temperatures.
Potting Batteries, Antennas, Pipes, Tanks, Panels	RF 1146	Low density and high compressive strength potting epoxy that prevents vibration and secures components. Offers protection against environmental elements. Room temperature, low exothermic cure profile.
	RF 1366	Medium viscosity Bisphenol A epoxy. Useful for filament winding, dry fabric infusion, and potting applications.
	RF 1710	Polyurethane rigid closed cell foam system that prevents vibration, secures components and provides environmental protection. It resists high temperatures, has excellent Resonance Frequency (RF) properties and provides strong thermal insulation. Cures at high humidity or low temperatures.
Anti-Corrosion for Aluminum Substrates	RF 2388	Non-corrosive, one-component paste adhesive with high temperature structural properties for aluminum substrates. Prevents damage and extends component life.

SPECIALTY PACKAGING AND DISPENSING

Tailor the amount, choose the format, and modify the packaging. Every product can be enhanced with custom packaging and dispensing to ensure accuracy and eliminate waste at the point-of-use.

A wide range of services and options are available:

- Bulk containers: drums, 5 gallon, gallon, quart, pint
- Injection and barrier kits
- Single component cartridges (single cartridge system)
- Side-by-side cartridges (dual cartridge system)
- Bi-packs
- Syringes
- Pre-mixed and frozen
- Volume mix ratios (1:1, 2:1, 4:1, 10:1, 2:3)