



ResinFormulators

INNOVATIVE MATTERS



RF 5407 FR

RF 5407 FR is a flame retardant reformulation of one of our most popular products, RF 5407, to meet the UL 94 V-0 requirements. It is also formulated to reduce settling of the fillers. RF 5407 FR is available in natural (off-white) and black. Like RF 5407, it is an easy-to-use, aluminum oxide, liquid epoxy resin with excellent electrical insulation properties and high thermal conductivity. It can be cured with a variety of hardeners to produce a wide range of properties and cure cycles.

HANDLING PROPERTIES, TYPICAL

PROPERTY	RF 5407 FR
Mix Ratio: by Weight*	100:10.5
by Volume	N/A
Mixed Color	Natural (off-white) and Black
Viscosity @ 77°F (25°C), cps	600,000 - 700,000
Viscosity @ 140°F (65°C), cps	9,100
Cure Schedule	Variable

USES & APPLICATIONS

Potting and bonding where temperature stability, thermal cycling, electrical isolation, and/or thermal conductivity are required. Applications include high voltage relay potting, staking of Li-ion battery cells, and encapsulation of motor windings.

PHYSICAL PROPERTIES, TYPICAL CURED PERFORMANCE *

**PROPERTY	TEST METHOD	UNIT	VALUE
Al-AL Lap Shear (25°C)	ASTM D 1002	psi	2,600

SPECIALTY PACKAGING AND DISPENSING






Material is suitable for pre-mixed and frozen and bulk packaging use.

LEARN MORE: Download the TDS or SDS from our TDS SDS Library »

* With RF 24

**Cure: 1 hour at 180°F plus 1 hour at 250°F

POPULAR FOR USE IN:

-  COMPOSITES
-  ELECTRONICS
-  AEROSPACE
-  AUTOMOTIVE
-  ELECTRIC VEHICLE

COMMITMENT TO QUALITY AND SERVICE

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

- Certifications:
- ISO9001:2015
 - AS9100 (Rev. D)
 - AS9120 (Rev. B)