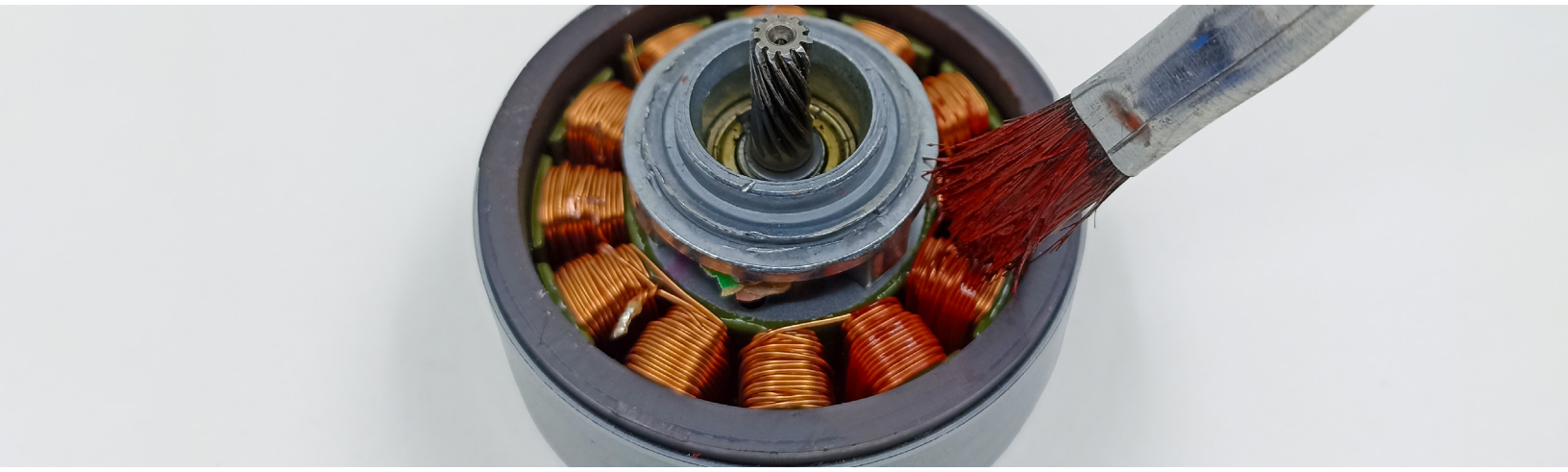
Insulation Coatings



Insulative Varnish for High Voltage Electrical Parts

MG Chemicals Insulation Coatings line is a unique line of varnish for electronics products intended to provide added insulation to high voltage parts such as transformer coils, motor windings and sheathing for wires. Characterized by high dielectric strength, these 1-part coatings adhere to a variety of substrates and offer exceptional protection against corrosion.

Features & Benefits

- High dielectric strength
- Excellent resistance to moisture and salt water
- Excellent finish—tough, flexible, glossy, and durable

Applications

- Replacement for shrink wrap or electrical tape
- Arc and corona resistance for transformer coils and motor windings
- Insulation coatings for electrical generators

Clear Insulating Varnish

4226A
- Material Group I (CTI ≥600 V, PLC=0)
- Low VOC and HAP-free
- Toluene, xylene and MEK-free
- Dielectric strength: 3 000 V/mil

Dielectric Coating

4228
- Meets UL EIS standards. Class H insulation up to 180 °C
- Dielectric strength: 3 000 V/mil
- Direct cross to Glyptal 1201A

Red Insulating Varnish

4228A
- Material Group I (CTI ≥600 V, PLC=0)
- Dielectric strength: 3 700 V/mil
- Low VOC and HAP-free
- Available as both a liquid and aerosol

Insulation Coatings

	4226A	4228	4228A
Resin Type	Acrylic, modified alkyd	Acrylic, modified alkyd	Acrylic, modified alkyd
PROPERTIES			
Dielectric Strength (dry) (wet)	3 000 V/mil —	3 000 V/mil 1 500 V/mil	3 700 V/mil —
Comparative Tracking Index (CTI)	600 V	—	600 V
Service Temperature Range	-30–180 °C	-40–180 °C	-40–180 °C
Dry to Touch	1 h	30 min	1 h
Recoat Time	15 min	4 h	10 min
Recommended Film Thickness	25–38 µm	25–38 µm	25–38 µm
Theoretical Coverage @ 25 µm (based on 65% transfer efficiency)	100 ft^2/L	130 ft^2/L	130 ft^2/L
Viscosity @ 25 °C	50 cP	590 cP	800 cP
Density	0.96 g/mL	1.1 g/mL	1.0 g/mL
Percent Solids	45%	52%	55%
Shelf Life	5 y	5 y	5 y
Calculated VOC	520 g/L	514 g/L	561 g/L
PACKAGING			
Format	55 mL (Bottle) 426 mL (Aerosol) 945 mL (Can) 3.78 L (Can) 18.9 L (Pail)	55 mL (Bottle) 225 mL (Can) 850 mL (Can) 3.60 L (Can)	55 mL (Bottle) 225 mL (Can) 850 mL (Can) 3.60 L (Can)

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