

AFAG

Aromatic Free Acrylic Coating Gel

AFAG is a fast drying acrylic conformal coating, used for the protection of electronic circuitry. AFAG is a high viscosity version of AFA designed to offer greater coverage over sharp edges of critical components.

- High viscosity for improved edge coverage
- Free from aromatic solvents such as Toluene and Xylene
- Fast touch dry time and excellent adhesion to most substrates
- Offers excellent protection in humid environments and salt mist resistance

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|--------------------------|--------------------------------------|---------------------------|
| Approvals | RoHS Compliant (2015/863/EU): | Yes |
| Liquid Properties | Appearance | Pale Coloured Liquid |
| | Density @ 20°C (g/ml) | 0.95-0.97 |
| | VOC Content | 49.9% |
| | Flash Point | Approx. 28°C (Closed Cup) |
| | Solids Content | 50.1% |
| | Viscosity (mPa s @ 20°C) | 10000 ± 2000 |
| | Total Dry Time | 25-30 minutes |
| Dry Film Coating | Colour: | Colourless |
| | Operating Temperature Range: | -65°C to +125°C |
| | Flammability: | UL94 V-0 Approved |
| | Thermal Cycling (MIL-1-46058C): | Meets requirements |
| | Coefficient of Expansion: | 130ppm |
| | Dielectric Strength: | 45kV/mm |
| | Dielectric Constant: | 2.5 |
| | Surface Insulation Resistance: | 1 x 10 ¹⁵ Ω |
| | Comparative Tracking Index: | >300 Volts |
| | Dissipation Factor @ 1MHz, 25°C: | 0.01 |
| | Moisture Resistance (MIL-1-46058C): | Meets requirements |
| | BONO Test (Corrosion Factor): | Pass (2.3%) |

| <u>Description</u> | <u>Packaging</u> | <u>Order Code</u> | <u>Shelf Life</u> |
|--------------------|------------------|-------------------|-------------------|
| AFA Gel | 35ml Syringe | AFAG35SL | 24 Months |

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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