

Product Data Sheet

AkzoNobel Powder Coatings

Resicoat® EL Epoxy powder Coating for Electrical Components HKF5EQF (Formerly AK127QF / 17-6003) 82038B SGJ Green 2685

Product Description	Resicoat® EL HKF5EQF 82038B SGJ Green 2685 is a solid, thermoset powder coating designed for low or medium voltage busbar insulation applications. A smooth, sag-free, thick coating can be achieved on parts which contain sharp edges and corners.				
Powder Properties	Chemical type	Epoxy			
	Appearance	Smooth			
	Gloss level (Gardner 60°)	65 ± 5			
	Specific gravity	1.68 ± 0.05 g/cm ³ (Calculated)			
	Coverage @ 1.0 mil	115 ft ² /lb/mil (Calculated)			
	Storage	Maximum 70°F			
	Shelf life	12 months			
Application Data	Application Method	Electrostatic Spray onto hot part			
	Recommended Film thickness	10 – 120 mils (250µ - 3000µ)			
	Curing schedule (at object temperature)	Preheat- 10 minutes at 400° F Postheat- 10 minutes at 450° F			
Typical Performance Characteristics	Hardness, Shore D	ASTM D2240	92		
	Tensile Strength	ASTM D638	7500 psi		
	Impact Resistan (Direct)	ASTM 2794	40 min		
	Edge Coverage	ASTM 2967	>45%; Method "A" @ 20-27 mil		
	Coefficient of Thermal Expansion	ASTM D696	3 x 10 ⁻⁵ in/in/°C		
	Dielectric Constant		4.6		
	Dielectric Strength	ASTM D149	1000 volts/mil		
	Thermal Shock Resistance	Passes 12 cycles (+400°F to -20°F)			
Pre-treatment	Steel surfaces to be coated must be clean and free from grease. For maximum protection, it is essential to pre-treat components prior to the application of Resicoat® EL . Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.				
Application	Resicoat® EL powders can be applied by manual or automatic electronic spray equipment. It is recommended that for consistent application and appearance product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.				
Approvals	This product is UL OCTD2.E34521 recognized to UL Designation 82038B. For UL OCTD2.E34521, following is the applicable data.				
	Minimum Film Thickness (mm)	UL 94 Flame Class	RTI Elec	RTI Imp	RTI Str
	0.13	-	130	130	130

Safety Precautions Please consult the Safety Datasheet (SDS).

Disclaimer **IMPORTANT NOTE:** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws; any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product.

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Product History Through acquisitions of companies over the years, this product has been renamed several times throughout those years.

Corvel 17-6003 SGJ Green was introduced by Polymer Corp in the early 1980's.

AK127QF Interpon 100 – Product was renamed when AkzoNobel acquired Rohm & Haas in 2010.

HKF5EQF Resicoat EL - Product is re-coded to align with business' best practice in Oct 2020.

www.resicoat.com

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