

Product Datasheet

Resicoat® EL

Impregnation of Coils, Bobbins and Generators by Fluidized Bed Application Code: HKD01R

Product Description	Resicoat® EL HKD01R is a one part, 100 % solids, epoxy powder coating for insulation of coils, bobbins and generators. Resicoat® EL HKD01R is designed for fluidized bed application or electrostatic spray application. The coating has a high dielectric strength and an excellent resistance to heat, chemicals and thermal stability.		
Powder Properties		Typical value	Method
	Binder system	Epoxy	
	Density	1.45 – 1.55 g/cm ³	ISO 8130-2
	Gel time at 200° C	30 – 60 sec.	ISO 8130-6
	Storage stability	4 months from delivery date ≤ 23° C	
Application Properties	Preheating temperature	230° C object temperature	
	Post cure conditions	20 min., 240° C	
	Particle size distribution	< 32 µm = 13 – 23 % < 200 µm ≥ 99.8 %	Malvern ISO 8130-1
Material Properties	Color	olive green	
	Recommended film thickness	200 µm	
	Flow	smooth	
	Gloss at 60° angle	60 – 100 units	DIN 67530
	Cross cut test	Gt 0	DIN EN ISO 2409
	Impact resistance	> 5 Joule	DIN 30671
	Hardness	> 100	DIN EN ISO 2815
	Water immersion test 90° C, 4 weeks	no visible change	
	Dielectric strength	≥ 35 kV/mm	DIN 30671
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Disclaimer: This Product Data Sheet is based on the present state of our knowledge and on current laws. The data referring to Powder Properties, Application Data and Physical Tests is based on lab based samples. Factors such as quality or condition of the substrate may have an effect on the use and application of the product. It remains the responsibility of the user to test thoroughly if the product is applicable for the intended use. The use of the product beyond our recommendation releases us from our responsibility, unless we have recommended the specific use in writing. 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. We are not liable for any application-technological advice. The Product Data Sheet shall be updated from time to time. Please ensure you have the latest version before using the product. All products and Product Data Sheets are subject to our standard terms and conditions of sale (GCS). You can receive the latest copy of GCS via internet or our post address. Brand names mentioned in this Product Data Sheet are trademarks of or are licensed to the AkzoNobel group.