

ROYAPOX 915, one component thermal class H – 180°C



PRODUCT DESCRIPTION

ROYAPOX 915 is a solventless epoxy resin. It is presented in one component form ready for use. This product has medium viscosity and reacts with temperature (oven). ROYAPOX 915 forms a solid, hard and adherent mass with certain flexibility. It also provides great cohesion against centrifugal force and good heat conductivity. It has good compatibility with enameled wires of class F and H.).

APPLICATION

ROYAPOX 915 epoxy resin is specially designed for stator impregnation through global system (dipping, VPI, etc) and for rotor impregnation through partial trickling system.

HOW TO USE

Polymerization times depend on the dimensions of the piece and method used. It is recommended 1 hour at 150-160°C for rotors impregnated through trickling system and about 2 or 3 hours at 150-160°C for pieces impregnated through dipping (the oven must be always pre-heated at the indicated temperatures). Containers should be stored at room temperature (15-25 ° C) for up to 8 months.

CHARACTERISTICS

Viscosity at 25°C weight (mPa·s)	3000 ± 300
Density at 20°C weight (g/cm ³)	1.15 ± 0.01
Pot Life at 20°C	8 months
Total Polymerization	2h at 150°C
Tensile strength (MPa).....	98
Water absorption 24h, at 20°C (% weight)	0.15
Dielectric strength, 50Hz at 20°C (KV/mm)	20
Surface resistance (Ohm)	5.10 ¹²
Specific resistance (Ohm.cm)	1.3.10 ¹⁵
Dissipation Factor tg, 50Hzat 20°C	0.003
Dielectric constant, 50Hz, at 25°C	3.4
Thermal conductivity (W/mK)	0.15
Bond Strength 20°C (N)	220
Bond Strength 160°C (N)	50

PACKAGES

The product is available in 5kg and 25kg packages.