

## ROYAPOX 915 - ONE COMPONENT EPOXY RESIN - ROTARY VARNISH

Royapox 915 is a solvent-free epoxy resin. It is presented in one component form ready for use. This product has a medium viscosity and reacts with temperature (oven). Royapox 915 is solid in shape, hard and a mass that adheres with a certain flexibility. It also provides excellent cohesion against centrifugal force and good thermal conductivity. It has very good matches with enameled wires from class F and H.

### FIELDS OF APPLICATION:

Royapox 915 epoxy resin is specially designed for impregnation of the stator through the global system (dipping, VPI and so on) and impregnation of the rotor through partial dripping.

PROPERTIES	UNITS	ROYAPOC 915	ROYAPOX 915/500
Viscosity on 25 C	mPa · s	3000 ± 300	500 ± 150
Density of 20 C	g / cm <sup>3</sup>	1.15 ±	0.01
Storage on 20 C		< 8	months
Water absorption 24h, 20 C	% weight	0,	15
Power dielectric, 50 Hz, 20 C	KV/mm	20	
Resistance surface	Ω	5.10 <sup>12</sup>	
Resistance specification	Ω · cm	1.3.10 <sup>15</sup>	
Scattering factor tg, 50Hz, 20 C	-	0.003	
Dielectric constant, 50 Hz, 25 C	-	3.4	
Thermal conductivity	W/ mK	0.15	

## **USER GUIDE**

Polymerization depends on the dimension of the parts and the method used. It is recommended 1 hour at 150 - 160 C for rotor impregnation through partial drip and about 2 to 3 hours at 150-160 c for impregnation of parts through dipping (the oven must always be preheated to a certain temperature). In case of crystallization of the mass, heat to a temperature of 65 to 70 C and mix well and continue working.

**PACKAGING:** Metal buckets of 1, 5 and 25 kg.