

**ROYALAC 158/4, oven drying,
thermal class F-155°C**



PRODUCT DESCRIPTION

ROYALAC 158/4 is an impregnation varnish based on thermo-hardening synthetic resin. Drying is done through polymerisation, obtaining very compact windings with great adherence and hardness. It is highly compatible with enamelled wire and other insulators.

APPLICATION

Impregnation of great motors –stators and rotors-, transformers and coils.

HOW TO USE

ROYALAC 158/4 varnish can be applied through immersion or by vacuum pressure in an autoclave in continuous impregnation-drying installations. We recommend windings be immersed at room temperature or maximum 40°C, higher temperatures has not to be used in order to avoid varnish agglutination phenomena and impregnation defects. The main advantage of ROYALAC 158/4 is it can be dried like a Class B varnish (130°C) and will take on thermal characteristics, once polymerised, of a Class F varnish (155°C). Generally speaking, and as guide, we indicate a time of 2 to 4 hours at 130-140°C. To reduce the viscosity we recommended to use DILUYENTE F-5.

PHYSICAL SPECIFICATIONS

Colour	Golden
Density at 20°C (g/cm ³)	0.970
Ford Cup viscosity n° 4 at 20°C (sec)	25 ± 5
Solids (%).....	40 ± 2
Thermal classification	F (155°C)
Drying time (on plate) at 135°C (min.)	5
Resulting film	Shiny, adherent, flexible and hard
Storage stability at 20°C	12 months

DIELECTRIC PROPERTIES

Dielectric Breakdown Volts 0.01 mm. 1300 V

PACKAGES

The product is available in 5L, 25L packaging. Available at customer's request in 50L, 100L and 200L packaging.