



ROYALAC 158/4
DIELECTRIC VARNISH

THERMAL CLASS F (155°C)
OVEN DRIED

ROYALAC 158/4 impregnation varnish is elaborated on a base of thermohardenning type synthetic resins. Drying is done through polymerisation, obtaining very compact windings with great adherence and hardness.

Highly compatible with enamelled wire and other insulators.

FIELD OF 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 that the windings be immersed at ambient, or maximum 40°C, temperatures in order to avoid varnish agglutination phenomena and impregnation defects.

The advantage of ROYALAC 158/4 is that 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.

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 CHARACTERISTICS

Dielectric Breakdown Volts 0.01 mm.	1300 V
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THINNER

Should diluting be required, our DILUYENTE F-5 must be used.

SUPPLIED IN

Sealed lithographed tins of 5 and 25 litres.
In sheet-metal drums of 50, 100 and 200 litres.