



epiNITO

Technical Data Sheet

Insulating Varnish 2104RM

PRODUCT DESCRIPTION & CHARACTERISTIC

epiNITO Insulating Varnish 2104RM is based on specially selected resin modified with phenol derivatives, linseed and tung oil combined with special additives to give a fast drying and longer shelf life coating. Air dry between 2 – 4 hours. Product can also be forced dry to increase production speed.

- Very fast drying. It can be forced dried also.
- Good adhesion and good insulating properties.
- Good heat, water and corrosion resistance.
- Flexible coating.

SUGGESTED USES

It is suitable to use in:

- Motor rewinding industries.
- Electrical core and parts manufacturers.
- Transformer manufacturers.

SPECIFICATION

Non-Volatile content (wt)	45 ± 2 %
Specific Gravity	0.93 – 0.98 g/ml
Drying Time @ 27°C	Surface dry = 20 – 40 mins Touch dry = 2 – 4 hours Hard dry = 4 – 8 hours Forced dry = 100°C for 2 – 4 hours or 130°C for 1 – 2 hours
Heat Resistance	UP to 155°C
Thermal Class	Class F
Shelf Life	12 months
Colour Selection	Selected range. Typically; clear, golden yellow, golden, yellow 23, yellow 56

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APPLICATION METHOD

By brushing, dipping, curtain coating, spraying or rolling.

FILM PROPERTIES

Adhesion	100/100 passed
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Break-down Voltage (ASTM D149):	
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- 130°C	160kV/mm
- 155°C	100kV/mm

Bend Test	3mm ϕ passed
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Impact Test	2 lb x 25" passed
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Pencil Hardness	HB+
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Gloss	> 80GU
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