

BAWA H- ONE

BAWA H-ONE is modified polyesterimide electric Insulating impregnating varnish of temperature index 180.

BAWA H-ONE consist of Polymeric Binder, the so-called Solid & Solvent mixture.

BAWA H-ONE is used for manufacturing and Repairing of Centrifugal motors, Transformers, Cooling Machines, Drives for mines & ships and traction motors field coils etc.

BAWA H-ONE can be used for machines in thermal Class-H. If the components are properly impregnated, reduction in the degree of hardness of enamelled wires used does not occur.

Physical Properties

Colour	Brown
Appearance	Clear liquid
Non Volatile Matter (1.5g/130°C/2h)	70 ± 2%
Viscosity at 30°C (By ford cup B4) in sec	70 ± 5%
Density at 23°C	1.06 (Typical)
Flash Point °C	38 (Typical)
Compatibility with Thinner	1:1

Electrical Properties

Dielectric strength	at RT 24h water immersion at RT	100 kv/mm 90 kv/mm
Volume Resistivity	at RT 168h water immersion at RT	10 ¹⁵ ohm cm. 10 ¹³ ohm cm.
Dielectric loss factor (30 V/1 kHz)	at RT at 180°C	0.006 0.18
Dielectric Constant (30 V/1 kHz)	at RT at 155°C	3 4.8
Bond Strength (Twisted coil IEC 61033)	at RT at 180°C	300N 40 N
Water Absorption	96 h at RT	5Mg
Resistance to Chemicals	%Retention to Breakdown Voltage after immersion For 7 days in –Transformer oil at 1050C 25% sulphuric acid at 250C	95% 90%

BAWA POLYMERS

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Curing Schedule

(Recommended) For General machine winding and transformer	4 h at 110 – 120°C + 8h at 160°C
For Ex(e) category machines	4 h at 120°C + 8h at 160°C
Curing Properties of Varnish Drying in thin film Curing in thin layer 20g/120°C/4h	4 h at 120°C Tack free film with smooth flow
Resoftening at 165°C	Top : Smooth Bottom : Tack free Inside : Leather like rigid, no bubbles No Change

Thinning : If thinning is required use our thinner 504

PACKING

Bawa H-One 21Kg and 185Kg in mild steel drums.

Thinner 504 20Kg and 160Kg in mild steel drums.

SHELF LIFE : 12 months in Original sealed drum should be kept in covered area and away from the direct sunlight and Rain water.

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