

## 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 <sup>15</sup> ohm cm. 10 <sup>13</sup> 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

65, West Avenue Road, Punjabi Bagh West, New Delhi – 110026

Ph: 011-25222629, 25222083 (FAX.) 011-25227237

info@bawapolymers.com

## Curing Schedule

<b>(Recommended)</b> 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/1200C/4h	4 h at 1200C Tack free film with smooth flow
Resoftening at 1650C	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.

This information contained here is best to our knowledge. Company makes no warranty of results and assurance, no obligations or liabilities for the use of any products and process herein. This publication is not to be taken as a license to operate under or recommendation to infringe upon any patents.

## BAWA POLYMERS

65, West Avenue Road, Punjabi Bagh West, New Delhi – 110026

Ph: 011-25222629, 25222083 (FAX.) 011-25227237

info@bawapolymers.com