

BAWA G-ONE

Bawa G ONE is polyurethane based baking impregnating varnish of Temp. Index 130. It is used for impregnation of electrical equipments, stator for hermetic motors operating with refrigerants R-12 and R- 22.

Bawa G ONE can be used for bonded glass fiber covered conductors of temperature index 155 in conjunction with Bawa G two. It can be applied by dipping or vacuum impregnation method.

Chemical Properties

| | | | |
|---------------------|--|--------|--------------------------|
| Colour appearance | | | Pale yellow clear liquid |
| Solid Contents | 1.5g/150°C/2h | % | 46 – 48 |
| Viscosity at 30°C | By ford cup B4 | S | 20 – 30 |
| Viscosity at 27°C | IS 3944/Cup no. 4 | S | 60 (typical) |
| Density at 25°C | DIN 51757 | g/ml | 1.03 (typical) |
| Flash point | DIN 53213 (Closed cup) | oC | 30 (typical) |
| Recommended thinner | | | Thinner G |
| Shelf life | If stored in original sealed container under covered storage at room temperature | Months | 6 |

SUGGESTED CURING TIME:

- (a) For impregnated windings First dip at 2h at 100 oC + 2h at 140 oC Second dip at 2h at 100 oC + 10-12h at 140 oC
- (b) For glass fiber covered/braided conductors 3-4 min at 275 – 350 oC (depending upon conductor size)

Varnish Properties

| | | | |
|--------------------------------|--------------------------|---------------------|---------------------------|
| Drying in thin layer at 140 oC | 100oC/2h | Min | 60 |
| Drying in thick layer | +120 o C/2h, +160 o C/2h | Top, Bottom, Inside | Smooth Non tracky Hard |
| Resoftening at 140 oC | | | No change in shape |

BAWA POLYMERS

Typical Properties of Cured Varnish Film

| | | | |
|--|---|----------------------------|--|
| Specimen curing – 14h at 140 o C Test as per DIN 46456 | | | |
| Dielectric strength | At 25 oC At 130 oC 24h water immersion at RT | kV/mm kV/mm kV/mm | 65 60 35 |
| Volume resistivity (1000VDC) | At 25 oC At 130 oC 240h water immersion at RT | ohm.cm ohm.cm ohm.cm | 10 ¹⁴ 10 ¹⁴ 10 ¹⁴ |
| Dielectric constant at 30 V/1kHz | At 25 oC At 130 oC | | 3.0 4.0 |
| Water absorption | 96h water immersion at RT | mg | 7.0 |
| Bond strength Coefficient | At 25 oC At 130 oC | | 14 2 |

PACKING

Bawa G-One : 21 & 200 Kg. in Mild steal drum
Thinner GC : 21 & 180 Kg. in Mild steal drum

This information contained here is best to our knowledge. Company makes no warranty or guarantee of results and assurances of results and assurances, no obligations or liabilities for the use of any products and process mentioned 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