

BAWA B- ONE

BAWA B-ONE is a Class B (1300 C) impregnating Varnish. BAWA B-ONE is an impregnating Varnish with very good heat resistance. It possesses excellent resistance to centrifugal when cured properly.

BAWA B-ONE is suitable for impregnation of Rotors, Generators, Motors, high voltage machines and Hand tools etc. BAWA B-ONE gives sufficient flexibility in long stationery windings.

BAWA B-ONE can be applied for impregnation of windings of covered all enameled wires.

Physical Properties

Colour & Appearance	Brown, clear liquid
Solid content (1.5g/130°C/2h)	48 ± 2%
Viscosity at 30°C (By ford cup B4)	40 – 60 Sec
Specific gravity at 20°C	0.97± 0.02
Flash Point	32°C
Recommend Thinner	Thinner BC

Curing Schedule:-

Stationary Winding : 6-8h at 120°C or 4-6h at 130°C

Rotating Winding : 8h at 130°C or 5h at 140°C

Curing Properties

Drying in thin layer	4hr at 1200C	Tack free film
Curing in thick layer	20g/120°C/10h	Inside Like leather (free From bubbles) Top smooth Bottom non tacky

Electrical Properties

Dielectric strength	At R.T. / At 130°C 24h water immersion at R.T.	Kv/mm	100 - 90 - 90
Volume resistivity (500 V D.C.)	At R.T. / At 1300 C 168 h water immersion at R.T.	Ohm.cm	10 ¹⁶ - 10 ¹² - 10 ¹⁵
Dielectric loss factor (30 V/ 1 KHz)	At R.T. / At 1300 C		0.0250 - 0.0350
Dielectric constant (30 V/1 KHz)	At R.T. / At 1300C		4.0 - 5.0
Bond strength	IEC 61033, twisted coil at R.T. At 1300 C	N	250 - 70
Adhesive strength	At R.T. / At 1300C	N/mm ²	5.5 - 0.6
Water absorption	(96 h immersion at R.T.	Mg (%)	7(2)
Temperature index	(30% weight loss criteria)		140

BAWA POLYMERS

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