

BAWA G-THREE

BAWA G THREE is a polyesterimide based class H (180) binder varnish. It is suitable for glass fiber covered or braided round and rectangular conductors. It is ready to use varnish. It can be used by dipping or pouring and wiping by felt or baking in oven at the temperature of 300 – 400° C.

BAWA G THREE has excellent thermal properties with balanced electrical & mechanical properties.

BAWA G THREE varnish bonded conductor or for use in electrical machines as high voltage motors generator coils & DC machines.

Chemical Properties	
Appearance	Clear liquid brown
Solid content 1g/180°C/2h	42 ± 1%
Viscosity at 300C by ford cup (B4)	50 - 65
Density at 200C in g/ml (Din 51757)	1.075
Flash point	29
Compatibility with Thinner G	1:1

APPLICATION DATA

Conductor size	: 2 x 7.5 mm
Temperature of oven	: 300-400C
Oven length	: 6 m
Speed	: 2.0 M/mm

(The application data may vary depending on the oven size & processing parameters)

PROPERTIES OF (BAWA G-THREE) VARNISH BONDED GLASS COVERED CONDUCTORS

Table 3: Properties of Bawa G-Three bonded rectangular conductor: Test method according to IS: 4685 (Part II) unless otherwise specified.

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Conductor size		mm	2 x 7.5
Increase in insulation		mm	0.30
Covering grade			Medium
Flexibility and Adherence Mandrel winding 6 x thickness 6 x width Adherence	Stretching 10%		ok ok ok
Cure test	1200C/30 min		OK
Breakdown voltage		V	800

PACKING

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

SHELF LIFE

One year from the date of manufacturing if stored in original sealed container at room temp.

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