

BAWAMID 743.40

- BAWAMID 743.40 is THEIC modified polyesterimide wire enamel with temperature index 200.
- BAWAMID 743.40 provide improved flexibility & adherence to copper.
- Enamelled wire coated with Bawamid 743.40 gives excellent resistance to refrigerants hermetic motors.
- BAWAMID 743.40 is suitable for entire range of fine wire (horizontal machine felt application, size 0.05-1.0 mm)
- BAWAMID 743.40 can be used as base coat for manufacturing dual coating wires with Polyamide-Imide.

Physical Properties

Appearance	Clear Liquid
Solid Content 1g/180°C/1h	40 ± 1%
* Viscosity	90 - 110
Flash Point	40°C
Compatibility with thinner	1 : 1

* Viscosity by FORD Cup (B4) at 30c C in sec.

Mechanical Properties

Diameter of Bare wire	1.0 mm
Build up of enamel	0.070 mm
Elongation	36%
Flexibility Mandrel Winding (15% prestretch 1xd)	OK
Jerk Test	OK
Peel Test (nxd)	130 - 150
Abrasion (Av) (Unidirectional)	14N

Thermal Properties

Heat Shock 2d/200°C/ 30min	OK
Cut Through 340°C / 2min	OK

Chemical Properties

Solvent Resistance	
Pencil Hardness	
Initial	3h
Std. Solvent	2h

Electrical Properties

Break Down Voltage kV	at RT	11.0
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Tan Delta

Bending Point °C (solid block)	185 - 195
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Please note that all above-mentioned values may be changed according to the machine.

RECOMMENDED THINNER	Thinner W/E	
PACKING:	Bawa 743.40 Thinner PW/E	210 Kg in mild steel drums. 21 Kg in mild steel drums.
SHELF LIFE	One year from date of manufacturing if stored in sealed container (at room temperature 25 °C).	

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