

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	40 ± 1%
1g/180°C/1h	
* 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
--------------------------	-------	------

Tan Delta

Bending Point °C (solid block)	185 - 195
-------------------------------------	-----------

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).	

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.

HARMAN BAWA (P) LTD.

65, West Avenue Road, Punjabi Bagh West, New Delhi – 110 026

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

Web: www.harmanbawa.com | Email: harmanbawa@hbpl.co.in, info@hbpl.co.in