

BAWAMID 510

- BAWAMID 510 specially developed for aluminium wire & rectangular conductor.
- BAWAMID 510 provides improved flexibility & adherence to aluminium wire.
- BAWAMID 510 can be used as base coat for manufacturing dual coating wires with Polyamide-Imide.
- BAWAMID510. is specially suitable for size 0.05 to 5.0 mm

Physical Properties		
Appearance	Clear Liquid	
Solid Content 1g/180°C/1h	36 ± 1%	40 ± 1%
Size mm	0.05 to 0.500	0.5 to 2.0
* Viscosity	60 -70	70-100
** Viscosity	300 - 400	650 - 1000
Proposed Machine	Horizontal / vertical machine for felt	horizontal & vertical plant for die
Flash Point	40°C	
Compatibility with thinner	1 : 1	

* Viscosity by Din Cup 4 at 25° C in sec.

** Viscosity by Viscosimeter at 23°C

Mechanical Properties	
Diameter of bare wire	1.0 mm
Build up of enamel	0.070 mm
Elongation	36%
Flexibility Mandrel Winding (15% pre-stretch 1xd)	OK
Jerk Test	OK
Peel Test (nxd)	180 – 200
Abrasion (Av) (Unidirectional)	14.N

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

Tan Delta	
Bending Point °C (solid block)	180-200

Please note that all above-mentioned values may be changed according to the machine.

RECOMMENDED THINNER	Thinner W/E	
PACKING:	BAWAMID 510 Thinner PW/E	200 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