

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 Viscometer 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
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Tan Delta

Bending Point °C (solid block)	180-200
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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).	

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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