

BAWA 303

- BAWA 303 is a class 155 polyester wire enamel.
- BAWA 303 is suitable for Die & felt applications.
- BAWA 303 is specially suitable for wires 0.05-5.0mm

Physical Properties

Appearance	Clear Liquid		
Solid Content 1g/180°C/1h	36 ± 1%	40 ± 1%	45 ± 1%
Size mm	0.05 to 0.500	0.5 to 2.0	1.6 to 5.0
* Viscosity	40 - 50	70-100	140-200
** Viscosity	250 - 350	650 - 1000	1500 - 2000
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	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)	12.N

Thermal Properties

Heat Shock 2d/180°C/ 30min	OK
Cut Through 300°C / 2min	OK

Chemical Properties

Solvent Resistance	
Pencil Hardness	
Initial	4h
Std. Solvent	3h

Electrical Properties

Break Down Voltage kV	at RT	10.0
--------------------------	-------	------

Tan Delta

Bending Point °C (solid block)	145 -165
-------------------------------------	----------

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

RECOMMENDED THINNER	Thinner W/E	
PACKING:	BAWA 303 Thinner W/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