

**BAWA 301**

- BAWA 301.35. is a class 130 polyester wire enamel.
- BAWA 301.35 is suitable for Die & felt applications. On vertical as well as horizontal enamelling machines.
- Enamelled wire coated with BAWA 301.35 has excellent heat shock properties
- BAWA 301.35 can be processed over entire wire range from 0.05 to 2.0 mm wires.

**Physical Properties**

Appearance	Brown colour liquid
Solid Content	35 ± 1%
1g/180°C/1h	
* Viscosity	90 - 120
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 )	160 - 180
Abrasion (Av) (Unidirectional)	12N

**Thermal Properties**

Heat Shock 4d/180°C/ 30min	OK
Cut Through	
280°C / 2min	OK

**Chemical Properties**

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

**Electrical Properties**

Break Down Voltage kV	at RT	9.5
--------------------------	-------	-----

**Tan Delta**

Bending Point °C ( solid block )	115 - 135
-------------------------------------	-----------

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

RECOMMENDED THINNER	Thinner W/E	
PACKING:	Bawa 301 .35 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](http://www.harmanbawa.com) | Email: [harmanbawa@hbpl.co.in](mailto:harmanbawa@hbpl.co.in), [info@hbpl.co.in](mailto:info@hbpl.co.in)