

## BAWATHERM 2002

- BAWATHERM 2002 is a Class 220 Polyamide-imide based wire enamel, wires coated with BAWATHERM 2002 is used as sole coat/overcoat to manufacture wires of Class 220 Bawatherm 2002 has excellent adhesion on wire upto 5.00mm.

### Physical Properties

Appearance	Clear Liquid		
Solid Content 1g/180°C/1h	24 ± 1%	30 ± 1%	33 ± 1%
Size mm	0.05 to 0.80	0.50 to 1.80	1.00 to 5.00
* Viscosity	40 -50	70-100	100-120
** Viscosity	250 - 400	400 - 500	500 -750
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)	220
Abrasion (Av) (Unidirectional)	13N

### Thermal Properties

Heat Shock	
1dx240°C/ 30min	OK
Cut Through	
360°C/ 2min	OK

### Chemical Properties

Solvent Resistance	
Pencil Hardness	
Initial	4h
Std. Solvent	5h

### Electrical Properties

Break Down Voltage kV	at RT	11.00 kv
-----------------------	-------	----------

### Tan Delta

Bending Point °C (solid block)	220-250
-----------------------------------	---------

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

RECOMMENDED THINNER	Thinner W/E	
PACKING:	BAWATHERM 2002 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](http://www.harmanbawa.com) | Email: [harmanbawa@hbpl.co.in](mailto:harmanbawa@hbpl.co.in), [info@hbpl.co.in](mailto:info@hbpl.co.in)