

BAWATHERM 2001

- BAWATHERM 2001 is a Class 220, Modified Poly-imide based wire enamel, wires coated with BAWATHERM 2001 has resistance to refrigerants R-12/ R-22.

It can be used as topcoat or a Sole coat. It is a very good replacement of traditional polyamide-imide enamel and its cresol soluble and free from NMP so application made easy.

Physical Properties

Appearance	Clear Liquid		
Solid Content 1g/180°C/1h	25 ± 1%	27 ± 1%	34 ± 1%
Size mm	0.05 to 0.500	0.5 to 2.0	1.6 to 5.0
* Viscosity	45 -55	75-90	135-160
** Viscosity	200 - 300	300 - 500	700 -800
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	vertical plant for die
Flash Point	40°C		
Compatibility with thinner	1 : 1		

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)	N.A.
Abrasion (Av) (Unidirectional)	10.0

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

** Viscosity by Viscometer at 23°C

Thermal Properties

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

Chemical Properties

Solvent Resistance	
Pencil Hardness	
Initial	3h
Std. Solvent	2h

Electrical Properties

Break Down Voltage kV	at RT	11 kv
--------------------------	-------	-------

Tan Delta

Bending Point °C (solid block)	215-225
-------------------------------------	---------

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

RECOMMENDED THINNER	Thinner W/E	
PACKING:	BAWATHERM 2001 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