

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
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Tan Delta

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

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