

**BAWATHERM 1001**

- BAWATHERM 2001 is a Class 220 Polyamide-imide based wire enamel, wires coated with BAWATHERM 2001 has excellent hermetic resistance, low coefficient of friction. It can be used as topcoat /overcoat.

**Physical Properties**

Appearance	Clear Liquid		
Solid Content 1g/180°C/1h	25 ± 1%	27 ± 1%	35 ± 1%
Size mm	0.05 to 0.50	0.05 to 1.8	1.00 to 5.00
* Viscosity	45 -55	80-100	130-150
** Viscosity	100-200	250-350	600-750
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)	160 - 180
Abrasion (Av) (Unidirectional)	15N

**Thermal Properties**

Heat Shock	
2dx240°C/ 30min	OK
Cut Through	
400°C / 2min	OK

**Chemical Properties**

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

**Electrical Properties**

Break Down Voltage kV	at RT	12.00 kv
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**Tan Delta**

Bending Point °C (solid block)	180-200/250-280
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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 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).	

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