

TECHNICAL DATA SHEET
BAWATHANE-2001 Modified Polyamideimide Wire Enamel (Class 200)

PRODUCT DESCRIPTION

BAWATHERM 2001 is a Class 200, Modified Polyamide 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 .

MECHANICAL/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
Flash Point	40°	40°	40°
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	horizontal & vertical plant for die
Diameter Of Bare Wire	1.0mm	-	-
Build-up of Enamel	0.070mm	-	-
Elongation	36%	-	-
Flexibility Mandel Winding (15% pre- stretch, 1xD)	OK	-	-
Jerk Test	OK	-	-
Peel Test (nxd)	NA	-	-
Abrasion Resistance(Av)	10N	-	-

* VISCOSITY BY DIN CUP 4 AT 25° C IN SEC.
** VISCOSITY BY VISCOMETER AT 23°C

THERMAL PROPERTIES

Heat Shock	2d / 240°C / 30 min	OK
Cut Through Temperature	360°C/2min	OK

CHEMICAL PROPERTIES

Solvent Resistance	-	-
Initial	3h	-
Std.Solvent	2h	-

ELECTRICAL PROPERTIES

Breakdown Voltage	at Rt	11kv
Tan Delta	Bending Point°C (Solid Block)	215-225

Recommended Thinner		Thinner W/E
PACKING	BAWATHANE-2001	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).	

DISCLAIMER

The values given in this technical data sheet are typical values and are intended as a guide only. Actual performance may vary depending on processing conditions, equipment, and wire size. This document does not constitute a product specification. Users should conduct their own tests to determine suitability for the intended application.