

TECHNICAL DATA SHEET
BAWATHANE-2002 Modified Polyamideimide Wire Enamel (Class 220)

PRODUCT DESCRIPTION

BAWATHERM 2002 is a Class 220 Polyamide-imide based wire enamel ,wires coated with BAWATHERM2002 is used as sole coat / overcoat to manufacture wires of Class220 Bawatherm 2002 has excellent adhesion on wire up to 5.00 mm.

MECHANICAL/PHYSICAL PROPERTIES			
Appearance	Clear Liquid	-	-
Solid Content 1g/180°C/1h	24±1%	30±1%	33 ± 1%
Size mm	0.05 to 0.80	0.5 to 1.80	1.00 to 5.00
*Viscosity	40-50	70-100	100-120
**Viscosity	250 - 400	400 - 500	500 -750
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)	220	-	-
Abrasion Resistance(Av)	13N	-	-

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

THERMAL PROPERTIES		
Heat Shock	1d / 240°C / 30 min	OK
Cut Through Temperature	360°C/2min	OK

CHEMICAL PROPERTIES

Solvent Resistance	-	-
Initial	4h	-
Std.Solvent	5h	-

ELECTRICAL PROPERTIES

Breakdown Voltage	at Rt	11kv
Tan Delta	Bending Point°C (Solid Block)	220-250

Recommended Thinner		Thinner W/E
PACKING	BAWATHANE-2002	210 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.