

## TECHNICAL DATA SHEET

### BAWATHANE 999 is Polyurethane Wire Enamel (Class 155)

#### PRODUCT DESCRIPTION

BAWATHANE 999 is a class 155 Polyurethane wire enamel with fast solderability. It possesses a good cut through and flexibility.

MECHANICAL/PHYSICAL PROPERTIES			
Appearance	Clear Liquid	-	-
Solid Content 1g/180°C/1h	25±1%	30±1%	35 ± 1%
Size mm	0.06 to 0.07	Up to 0.500	Up to 1.8
*Viscosity	15 -25	25 - 35	55 - 75
**Viscosity	-	-	-
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	0.5	-	-
Build-up of Enamel	0.065 mm	-	-
Elongation	36%	-	-
Flexibility Mandel Winding (20% pre-stretch, 1×D)	OK	-	-
Jerk Test	OK	-	-
Peel Test (nxd)	-	-	-
Abrasion Resistance(Av)	8.0N	-	-

\*Viscosity by FORD Cup (B4) at 30c C in sec..

\*\*Viscosity by Viscometer at 23°C.

#### THERMAL PROPERTIES

Heat Shock	2d / 180°C / 30 min	OK
Cut Through Temperature	240°C/2min	OK

CHEMICAL PROPERTIES		
<b>Solderability at 375°C</b>	>2 Sec	-
<b>Initial</b>	3h	-
<b>Std.Solvent</b>	2h	-

ELECTRICAL PROPERTIES		
<b>Breakdown Voltage</b>	at Rt	8.5kv
<b>Tan Delta</b>	Bending Point°C (Solid Block)	145-165

Recommended Thinner		Thinner W/E
<b>PACKING</b>	BAWATHANE 999	210 kg in mild steel drums. 21 kg in mild steel drums.
<b>SHELF LIFE</b>	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.