

# TECHNICAL DATA SHEET

## BAWATHANE 777 is Polyurethane Wire Enamel (Class 155)

### PRODUCT DESCRIPTION

BAWATHANE 777 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	30±1%	35±1%	40 ± 1%
Size mm	0.05to0.2	0.20to1.0	1.0to2.0
*Viscosity	20-30	40-50	60-80
**Viscosity	60-100	130-170	250-350
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)	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	220°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)	135-165

<b>Recommended Thinner</b>		<b>Thinner W/E</b>
<b>PACKING</b>	BAWATHANE 777	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.