

BAWATHANE 777

- BAWATHANE 777 is class155 Polyurethane wire enamel with fast solder ability. It possesses a good cut through and flexibility.

Physical Properties

Appearance	Clear Liquid		
Solid Content 1g/180°C/1h	30 ± 1%	35 ± 1%	40 ± 1%
Size mm	0.05 to 0.200	0.2 to 1.0	1.0 to 2.0
* Viscosity	20 - 30	40-50	60-80
** Viscosity	60 - 100	130 - 170	250 - 350
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	vertical plant for die
Flash Point	40°C		
Compatibility with thinner	1 : 1		

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)	N.A.
Abrasion (Av) (Unidirectional)	8.0

* Viscosity by Din Cup 4 at 25° C in sec.

** Viscosity by Viscometer at 23°C

Thermal Properties

Heat Shock	
2d/180°C/ 30min	OK
Cut Through	
220°C / 2min	OK

Chemical Properties

Solderability at 375° C	>2 Sec
Pencil Hardness	
Initial	3h
Std. Solvent	2h

Electrical Properties

Break Down Voltage kV	at RT	8.5 kv
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Tan Delta

Bending Point °C (solid block)	135-155
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Please note that all above-mentioned values may be changed according to the machine.

RECOMMENDED THINNER	Thinner W/E	
PACKING:	BAWATHANE 777 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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