

BAWA 303

- BAWA 303 is a class 155 polyester wire enamel.
- BAWA 303 is suitable for Die & felt applications.
- BAWA 303 is specially suitable for wires 0.05-5.0mm

Physical Properties

Appearance	Clear Liquid		
Solid Content 1g/180°C/1h	36 ± 1%	40 ± 1%	45 ± 1%
Size mm	0.05 to 0.500	0.5 to 2.0	1.6 to 5.0
* Viscosity	40 - 50	70-100	140-200
** Viscosity	250 - 350	650 - 1000	1500 - 2000
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	vertical plant for die
Flash Point	40°C		
Compatibility with thinner	1 : 1		

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

** Viscosity by Viscometer at 23°C

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)	180-200
Abrasion (Av) (Unidirectional)	12.N

Thermal Properties

Heat Shock	
2d/180°C/ 30min	OK
Cut Through	
300°C / 2min	OK

Chemical Properties

Solvent Resistance	
Pencil Hardness	
Initial	4h
Std. Solvent	3h

Electrical Properties

Break Down Voltage kV	at RT	10.0
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Tan Delta

Bending Point °C (solid block)	145 -165
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Please note that all above-mentioned values may be changed according to the machine.

RECOMMENDED THINNER	Thinner W/E	
PACKING:	BAWA 303 Thinner W/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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