

**BAWA 235**

- BAWA 235 is THEIC modified Class 155 Polyester wire enamel.
- BAWA 235 has high processing speed, high cut through & heat shock as compared to standard wire enamels.
- BAWA 235 is suitable for Die & Felt applications.
- BAWA 235 specially developed wire enamel having wide curing range.
- BAWA 235 specially suitable for wire size 0.05-5.0 mm.

**Physical Properties**

Appearance	Clear Liquid		
Solid Content 1g/1800C/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	80 -100	120-140	150-200
** Viscosity	600 - 700	900 - 1300	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		

**Mechanical Properties**

Diameter of bare wire	1.0 mm
Build up of enamel	0.070 mm
Elongation	36%
Flexibility Mandrel Winding (25% pre-stretch 1xd)	OK
Jerk Test	OK
Peel Test (nxd )	180-200
Abrasion (Av) (Unidirectional)	12.N

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

\*\* Viscosity by Viscometer at 23°C

**Thermal Properties**

Heat Shock	
2d/200°C/ 30min	OK
Cut Through	
340°C / 2min	OK

**Chemical Properties**

Solvent Resistance	
Pencil Hardness	
Initial	3h
Std. Solvent	2h

**Electrical Properties**

Break Down Voltage kV	at RT	10.0
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**Tan Delta**

Bending Point °C ( solid block )	120-130
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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 235 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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