

**BAWA 502**

- BAWA 502.35 is a class (130) polyester wire enamel.
- BAWA 502.35 is suitable for Die & felt applications
- BAWA 502.35 is suitable for wide range of wires 0.05-1.6 mm
- Enamelled wire coated with Bawa 502.35 has appealing Reddish Golden Colour

**Physical Properties**

<b>Appearance</b>	Reddish Golden Colour liquid
<b>Solid Content</b> 1g/180°C/1h	35 ± 1%
<b>* Viscosity</b>	80 - 100
<b>Flash Point</b>	40°C
<b>Compatibility with thinner</b>	1 : 1

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

**Mechanical Properties**

<b>Diameter of Bare wire</b>	1.0 mm
<b>Build up of enamel</b>	0.070 mm
<b>Elongation</b>	35%
<b>Flexibility</b> Mandrel Winding (15% pre-stretch 1xd)	OK
<b>Jerk Test</b>	OK
<b>Peel Test (nxd )</b>	180 - 200
<b>Abrasion (Av)</b> (Unidirectional)	12N

**Thermal Properties**

<b>Heat Shock</b> 6d/180°C/ 30min	OK
<b>Cut Through</b> 280°C / 2min	OK

**Chemical Properties**

<b>Solvent Resistance</b>	
<b>Pencil Hardness</b>	
<b>Initial</b>	2h
<b>Std. Solvent</b>	3h

**Electrical Properties**

<b>Break Down Voltage</b> kV	at RT	9.5
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**Tan Delta**

<b>Bending Point °C</b> ( solid block )	110 - 125
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Please note that all above-mentioned values may be changed according to the machine.

<b>RECOMMENDED THINNER</b>	Thinner W/E	
<b>PACKING:</b>	Bawa 502.35 Thinner W/E	205 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).	

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