

BAWA 275

- Bawa 275 is THEIC modified polyester wire enamel class 200 with our top coat Bawatherm 2001.
- Bawa 275 has high processing speed, high cut through & heat shock as compared to standard wire enamels..
- Bawa 275 is suitable for Die & Felt applications.
- Bawa 275 is suitable for rectangular conductors.
- Bawa 275 can be used as base coat for manufacturing dual coating wires with Polyamide-imide.
- Bawa 275 specially suitable for wire size 0.05-5.0mm.

Physical Properties

Appearance	Golden Colour Liquid	
Solid Content 1g/180°C/1h	40 ± 1%	35 ± 1%
* Viscosity	400 - 600	150 - 200
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)	200 - 220
Abrasion (Av) (Unidirectional)	12.5N

* Viscosity by Viscometer/Brook field at 23° C in cps

Thermal Properties

Heat Shock 2d/180°C/ 30min	OK
Cut Through 320°C / 2min	OK

Chemical Properties

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

Electrical Properties

Break Down Voltage kV	at RT	10.5
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Tan Delta

Bending Point °C (solid block)	165 – 175 / 225 – 275
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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 275 Thinner W/E	200 Kg in mild steel drums 21 Kg in mild steel drums
SHELE LIFE	One year from the date of manufacturing if stored in sealed container.	

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