

TECHNICAL DATA SHEET
BAWA 303 – Polyester Wire Enamel (Class 155)

PRODUCT DESCRIPTION
BAWA 303 is Class 155 Polyester Wire Enamel . BAWA 303 is suitable for Die and felt Application . BAWA 303 is specially suitable for wires 0.05-5.0mm

MECHANICAL/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	1.5 to 5.0
*Viscosity	40-50	70-100	140-200
**Viscosity	250 - 350	650 - 1000	1500 -2000
Flash Point	40°	-	-
Proposed Machine	horizontal machine for felt	horizontal & vertical plant for die	horizontal & vertical plant for die
Diameter Of Bare Wire	1.0mm	-	-
Build-up of Enamel	0.070mm	-	-
Elongation	36%	-	-
Flexibility Mandel Winding (15% pre-stretch, 1xD)	OK	-	-
Jerk Test	OK	-	-
Peel Test (nxd)	180-200	-	-
Abrasion Resistance(Av)	12N	-	-

* VISCOSITY BY DIN CUP 4 AT 25° C IN SEC.
** VISCOSITY BY VISCOMETER AT 23°C

THERMAL PROPERTIES		
Heat Shock	2d / 180°C / 30 min	OK
Cut Through Temperature	240°C/2min	OK

CHEMICAL PROPERTIES

Solvent Resistance	-	-
Initial	4h	-
Std.Solvent	3h	-

ELECTRICAL PROPERTIES

Breakdown Voltage	at Rt	10kv
Tan Delta	Bending Point°C (Solid Block)	145-165

Recommended Thinner		Thinner W/E
PACKING	BAWA303	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).	

DISCLAIMER

The values given in this technical data sheet are typical values and are intended as a guide only. Actual performance may vary depending on processing conditions, equipment, and wire size. This document does not constitute a product specification. Users should conduct their own tests to determine suitability for the intended application.