

B A W A



ENAMELS
FOR MAGNET WIRE

Polyester							
Product	Base	Properties of Magnet Wire	Recommended for wire size (mm dia)	Class of Wire	Cut through for 2 min in °C	Heat Shock at 180 °C/30 min	Tandelta Bent Point °C (Solid Block)
Bawa 35	Polyester	Enamel having wide curing range	0.05-1.0	130	280	6d	110 - 130
Bawa 216	Polyester	High cut through and high processing speed	0.05-1.0	130	280	6d	115 - 130
Bawa 105	Polyester	Better flexibility and heat shock with high speed	0.315-3.0	130	280	5d	110 - 135
Bawa 502	Polyester	High processing speed and reddish golden coloured wire	0.05-1.6	130	280	6d	110 - 125
Bawa KF 105	Polyester	Friendly for environment, enamel without cresol	0.315-1.0	130	280	5d	110 - 135
Bawa 301	Modified Polyester	Enamel for thicker gauges with better heat shock	0.05-2.0	130	280	4d	115 - 135
Bawa 303	Modified Polyester	Excellent heat shock	0.05-2.0	155	300	2d	145 - 165
Bawa 275	THEIC Modified Polyester	High processing speed, high cut through and heat shock	0.05-2.0	155	320	2d	155 - 170
Bawa 027	Modified Polyester	Good flexibility and adherence	0.2-5.0	130	240	5d	100 - 115

Polyurethane							
Bawathane 666	 Polyurethane	Fast solderability & good cut through. UL approved, file no. E326858	0.08-1.8	155	240	2d	145-165
Bawathane 777	Polyurethane	Fast solderability & good cut through	0.08-1.8	155	220	2d	135-155
Bawathane 888	Polyurethane	High cut through and good solderability & resistance to Styrented impregnating resins	0.05-1.8	180	260	1d	175-185

Polyesterimide							
Product	Base	Properties of Magnet Wire	Recommended for wire size (mm dia)	Class of Wire	Cut through for 2 min in °C	Heat Shock at 200 °C/30 min	Tandelta Bent Point °C (Solid Block)
Bawamid 743	THEIC Polyesterimide	Excellent heat shock & cut through property with high enamelling speed	0.2-1.6	180	340	2d	185-195
Bawamid 744	 THEIC Polyesterimide	Excellent heat shock & cut through property with high enamelling speed. UL approved, file no. E326858	0.1-1.8	180	340	2d	185-210
Bawamid 747	THEIC Polyesterimide	Excellent heat shock & cut through wire resistance to Styrene in varnishes	0.05-1.8	200	350	2d	190-205
Bawa FS	Polyesterimide	Good Resistance to all solvents & good heat shock	Upto 60 sq.mm Rect.	155	260	4d	150-170
Bawamid 733	THEIC Polyesterimide	Excellent heat shock & adhesion	1.6-5.0 mm Dia & upto 60sq.mm Rect.	180	320	2d	180-190

Top Coat Wire Enamels							
Product	Base	Properties of Magnet Wire	Recommended for wire size (mm dia)	Class of Wire	Cut through for 2 min in °C	Heat Shock at 240 °C/30 min	Tandelta Bent Point °C (Solid Block)
Bawatherm 1001	Modified Poly-imide	It is a very good replacement of traditional polyamide-imide wire enamel & its cresol soluble and free from NMP so application made easy.	0.05-1.6	220	360	2d (with base Bawamid 747)	220

Thinner							
Thinner W/E	Cresylic solvents based	Suitable for all Bawa wire enamels					
Thinner PW/E	Cresylic solvents based	Suitable for all Bawamid & Bawathane wire enamels					



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POLYMERS



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