

Technical Information

Wire Enamels I Microthick 35



MICROTHICK 35

Type

Microthick 35 is our endeavor based on Modified Polyester that has features of excellent Flexibility & Adherence to the round as well as rectangular Copper conductor.

Specifications

Properties	Test Method	Unit	Specification
Specific Gravity at 25°C	ASTM D 891		1.08 + / - 0.02
Viscosity			
By Ford Cup B4 at 30°C	IS 3944	Seconds	90 to 120
By Brookfield at 25°C	ASTM D - 2196	M pas	400 - 700
Solid Content (1gm / 2hrs / 180°C)	ASTM D - 1353	Percentage	35 ± 1
Flash Point	ASTM D - 93	Degree in Celsius	>44°C

Recommended Thinner - for thinning the enamel a special THINNER is recommended.

Application - By Dies or Felt Pads.

Packing - 210 kgs / 25 kgs in MS New barrels / drums.

Representative properties of enameled wire as per IEC - 60851 part 1 to 6 & 60317 - 34

Properties	Unit	Specification
Conductor Diameter	Millimeter	1.00
Increase in Diameter	Millimeter	0.070 to 0.080
Colour		Brownish
Mechanical Tests		
Jerk Test		OK
Peel Test	Revolution	160 to 170
Elongation	Percentage	36 to 40
Flexibility		15% pre - stretch 1xd - OK
Resistance to Abrasion	Unidirectional - Newton	13
Thermal Tests		
Heat Shock at 180°C		5d - OK
Cut Through	Degree in Celsius	300 - OK
Thermal Class	Degree in Celsius	130
Electrical Tests		
Breakdown Voltage	Kilovolt (KV)	8 to 10
Tandelta Bending Point	Degree in Celsius	110 - 120
Continuity of Covering	Faults	30 Meters - NIL
Chemical Test		
Solvent Resistance	Pencil Hardness (H)	3H

Note - All technical properties are for guidance only. Our data reflect the latest of our knowledge and are based on the characteristics established in the laboratory and on practice experience. No warranties of any kind, either expressed or implied, are made regarding the products here described.