

Technical Information

Wire Enamels I Microstrip 35



MICROSTRIP 35

Type

MICROSTRIP - 35 is Polyesterimide based wire enamel for rectangular Enamelled wires having thermal class 155. Enamelled wires processed with Microstrip - 35 have good flexibility & heat shock properties & conforms to all requirements of the standards IEC-60317 - 16 for class 155 rectangular wires.

Specifications

Properties	Test Method	Unit	Specification
Specific Gravity at 25°C	ASTM D 891		1.10 + / - 0.02
Viscosity			
By Ford Cup B4 at 30°C	IS 3944	Seconds	130 + / - 20
By Brookfield at 25°C	ASTM D - 2196	M pas	600 - 800
Solid Content (1gm / 2hrs / 180°C)	ASTM D - 1353	Percentage	34 ± 1
Flash Point	ASTM D - 93	Degree in Celsius	41°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

Properties	Unit	Specification
Conductor Diameter	Millimeter	1.00
Increase in Diameter	Millimeter	0.076
Colour		Brown
Mechanical Tests		
Jerk Test		OK
Peel Test	Revolution	165
Elongation	Percentage	38
Flexibility	D	15% stretch 1xd - OK
Resistance to Abrasion	Unidirectional - Newton	13
Thermal Tests		
Heat Shock at 180°C		4d - OK
Cut Through	Degree in Celsius	280 - OK
Thermal Class	Degree in Celsius	155
Electrical Tests		
Breakdown Voltage	Kilovolt (KV)	9
Tandelta Bending Point	Degree in Celsius	115 - 125
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.