

Technical Information

Wire Enamels I Mitsold F 30



MITSold F 30

Type

MITSold F 30 is a modified Polyurethane based wire enamel having thermal class 155 Degree in Celsius & Suitable for high - speed enameling of fine wires with balanced cut through & solderability. It is also available in different colour like Red, Green, and Blue & Pink.

Specifications

Properties	Test Method	Unit	Specification
Specific Gravity at 25°C	ASTM D 891		1.085 + / - 0.02
Viscosity			
By Ford Cup B4 at 30°C	IS 3944	Seconds	50 + / - 10
By Brookfield at 25°C	ASTM D - 2196	M pas	200 - 300
Solid Content (1gm / 2hrs / 180°C)	ASTM D - 1353	Percentage	30 ± 1
Flash Point	ASTM D - 93	Degree in Celsius	45°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 - 20

Properties	Unit	Specification
Conductor Diameter	Millimeter	0.315
Increase in Diameter	Millimeter	0.04
Colour		Copper
Mechanical Tests		
Jerk Test		OK
Peel Test	Revolution	N.A.
Elongation	Percentage	28
Flexibility		1xd - OK
Resistance to Abrasion	Unidirectional - Newton	6
Thermal Tests		
Heat Shock at 175°C		0.71 mm - OK
Cut Through	Degree in Celsius	200 - OK
Thermal Class	Degree in Celsius	155
Electrical Tests		
Breakdown Voltage	Kilovolt (KV)	6
Tandelta Bending Point	Degree in Celsius	145
Pin Holes	Faults	NIL
Chemical Test		
Solvent Resistance	Pencil Hardness (H)	3H
Solderability at 390°C	Seconds	2

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.