



MICRO INKS



MITESTER FF

Type MITESTER FF is a wire enamel based on Polyester having wide curing range suitable for the wire range 0.05 to 1.6 mm dia.

Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 ⁰ C	ASTM D 891		1.08+/-0.02
Viscosity			
a.By Ford Cup B4 at 30 ⁰ C	IS 3944	Sec	75+/-10
b.By Brook Field at 25 ⁰ C	ASTM D-2196	m pas	400- 500
Solid Content (1gm/2 hrs /180 ⁰ C)	ASTM D-1353	%	35+/-0.5
Flash Point	ASTM D-93	Deg.c	45

Recommended Thinner

For thinning the enamel,a special thinner Mitester T is recommended

Application

By Dies or Felt pads

Shelf Life

About 12 months if stored in original sealed containers in a cool & dry place

Packing

205 kgs/25 kgs in MS New barrels/drums

Representative Properties of enamelled wires as per IEC-60851 part 1 to 6 & IEC-60317-34

Properties	Unit	Specification
Bare wire diameter	mm	1.00
Increase in diameter	mm	0.073
Colour		Brownish
Mechanical Tests		
a.Jerk test		OK
b.Peel Test	Revolution	177
c.Elongation	%	39
d.Spring Back	Deg	36
e.Flexibility		1d- OK
f.Abrasion Resistance		
1.Multiple	Strokes	60-70
2.Unidirectional	Newton(av)	12
Thermal Tests		
a.Heat shock at 180 ⁰ C		6d-OK
c.Cut Through	Deg.C	300-OK
d.Temperature Index	Deg.C	168
e.Thermal Class	Deg.C	130
Electrical Tests		
a.Breakdown Voltage	KV	10
b.Tandelta Bending point	Deg.C	103-108
Chemical Test		
a.Solvent Resistance	H	3H

The above values are for guidance & given in good faith without any warranty