



MICRO INKS



MITSUPER F 39

Type MITSUPER F 39 is a high solid Theic modified polyester class F wire enamel & a base coat for dual coated wires with an overcoat of Polyamide imide wire enamel confirms to IEC60317-13 As a single coat it confirms to IEC-60317-3

Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 ⁰ C	ASTM D 891		1.105+/-0.02
Viscosity			
a.By Ford Cup B4 at 30 ⁰ C	IS 3944	Sec	150+/-10
b.By Brook Field at 25 ⁰ C	ASTM D-2196	m pas	600-700
Solid Content (1gm/2 hrs /180 ⁰ C)	ASTM D-1353	%	39+/-1
Flash Point	ASTM D-93	Deg.c	45

Recommended Thinner

For thinning the enamel,a special thinner MICROMID 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

210 kgs/25 kgs in MS New barrels/drums

Rep.Properties of enamelled wires as per IEC-60851 part 1 to 6 & IEC-60317-3 & IEC-60317-13

Properties	Unit	Specification	
		MITSUPER F 39 Single coat	MITSUPER F 39 + PAI Dual coat
Bare wire diameter	mm	1.00	1.00
Increase in diameter	mm	0.073	0.073
Colour		Reddish brown	Reddish brown
Mechanical Tests			
a.Jerk test		OK	OK
b.Peel Test	Revolution	155	155
c.Elongation	%	39	39
d.Flexibility		1d- OK	1 d-OK
e.Abrasion Resistance			
1.Multiple	Strokes	101	110
2.Unidirectional	Newton	14	14
Thermal Tests			
a.Heat shock at 175 ⁰ C		2.240MM-OK	
b.Heat shock at 220 ⁰ C			2.240 MM-OK
c.Cut Through	Deg.C	300-OK	300-OK
d.Temperature Index	Deg.C	180	205
e.Thermal Class	Deg.C	155	200
Electrical Tests			
a.Breakdown Voltage	KV	10	10
b.Tandelta Bending point	Deg.C	150	155
Chemical Test			
a.Solvent Resistance	H	4H	4H
b.Freon R22 Blister Test		No Blister	No Blister
c.Freon R22 Extraction	%		Less than 0.100

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