



# MICRO INKS

## MITMID 35



**Type** MITMID 35 is a Theic modified Polyesterimide enamel used as a single coat as well as for dual coat wires. It is recommended for fine to medium gauges.

excellent resistance against chemicals including refrigerants & suitable for application in hermetic motors.

### Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 <sup>0</sup> C	ASTM D 891		1.10+/-0.02
Viscosity			
a.By Ford Cup B4 at 30 <sup>0</sup> C	IS 3944	Sec	100+/-10
b.By Brook Field at 25 <sup>0</sup> C	ASTM D-2196	m pas	400- 550
Solid Content ( 1gm/2 hrs /180 <sup>0</sup> C )	ASTM D-1353	%	35+/-0.5
Flash Point	ASTM D-93	Deg.c	45

### Recommended Thinner

For thinning the enamel,a special thinner MITMID 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

**Rep.Properties of enamelled wires as per IEC-60851 part 1 to 6 & IEC-60317-8 & IEC-60317-13**

Properties	Unit	Specification	
		Mitmid 35 Single coat	MITMID 35+ PAI Dual coat
Bare wire diameter	mm	1.00	1.00
Increase in diameter	mm	0.073	0.073
Colour		Reddish brown	Reddish brown
<b>Mechanical Tests</b>			
a.Jerk test		OK	OK
b.Peel Test	Revolution	137	137
c.Elongation	%	39	39
d.Flexibility		1d- OK	1d-OK
e.Abrasion Resistance			
1.Multiple	Strokes	101	110
2.Unidirectional	Newton	13.38	12.1
<b>Thermal Tests</b>			
a.Heat shock at 200 <sup>0</sup> C		2.240MM-OK	
b.Heat shock at 220 <sup>0</sup> C			2.240 MM-OK
c.Cut Through	Deg.C	350-OK	350-OK
d.Temperature Index	Deg.C	200	220
e.Thermal Class	Deg.C	180	200
<b>Electrical Tests</b>			
a.Breakdown Voltage	KV	10	10
b.Tandelta Bending point	Deg.C	182	190
<b>Chemical Test</b>			
a.Solvent Resistance	H	4H	4H
b.Freon R22 Blister Test		No Blister	No Blister
c.Freon R22 Extraction	%	Less than0.100	Unconditional 72hr Less than 0.100

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