



# MICRO INKS



## MITSOLD S-30

**Type** MITSOLD S-30 is a wire enamel based on Polyurethane with excellent solderable characteristics suitable for 0.05mm to 0.5mm. It is also available in different colours i.e. Red, Green, Yellow & Pink for easy identification.

### Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 <sup>0</sup> C	ASTM D 891		1.08+/-0.02
Viscosity			
a. By Ford Cup B4 at 30 <sup>0</sup> C	IS 3944	Sec	50+/-10
b. By Brook Field at 25 <sup>0</sup> C	ASTM D-2196	m pas	200-250
Solid Content ( 1gm/2 hrs /180 <sup>0</sup> C )	ASTM D-1353	%	30+/-1.00
Flash Point	ASTM D-93	Deg.c	44

### 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

### Rep. Properties of enamelled wires as per IEC-60851 part 1 to 6 & IEC-60317-4

Properties	Unit	Specification	
Bare wire diameter	mm	0.5	0.152
Increase in diameter	mm	0.050 to 0.055	0.025 to 0.030
Colour		Copper	Copper
<b>Mechanical Tests</b>			
a. Jerk test		OK	OK
b. Elongation	%	32	24
c. Flexibility		10 % str 1d- OK	10 % str 1d- OK
d. Spring back	Deg.	36-38	53-55
e. Abrasion Resistance			
1. Multiple	Strokes	60(avg)	N.A
2. Unidirectional	Newton	6(avg)	N.A.
f. Pin hole at 100 Volts	Faults	NIL	NIL
<b>Thermal Tests</b>			
a. Heat shock at 155 <sup>0</sup> C		1.12MM	0.250MM
b. Cut Through	Deg.C	200	180
c. Thermal Class	Deg.C	130	130
d. Solderability at 375 <sup>0</sup> C	Sec	1	1
<b>Electrical Tests</b>			
a. Breakdown Voltage	KV	5 to 6	3 to 4
b. Tandelta Bending point	Deg.C	120-125	120-125
<b>Chemical Test</b>			
a. Solvent Resistance	H	3H	3H

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