



MITSOLDS-30

Type MITSOLDS-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 °C	ASTM D891		1.08 +/- 0.02
Viscosity			
a. By Ford Cup B4 at 30 °C	IS 3944	Sec	50 +/- 10
b. By Brookfield at 25 °C	ASTM D-2196	mpas	200-250
Solid Content (1gm/2hrs/180 °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 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

205kgs/25kgs in MS New barrels/drums

Rep. Properties of enamelled wires as per IEC-60851 part 1 to 6 & IEC-6031 7-4

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
Mechanical Tests			
a. Jerk test		OK	OK
b. Elongation	%	32	24
c. Flexibility		10% str 1d -OK	10% str 1d -OK
d. Springback	Deg.	36-38	53-55
e. Abrasion Resistance			
1. Multiple	Strokes	60 (avg)	N.A
2. Unidirectional	Newton	6 (avg)	N.A.
f. Pinhole at 100V volts	Faults	NIL	NIL
Thermal Tests			
a. Heat shock at 155 °C		1.12MM	0.250MM
b. Cut Through	Deg.C	200	180
c. Thermal Class	Deg.C	130	130
d. Solderability at 375 °C	Sec	1	1
Electrical Tests			
a. Breakdown Voltage	KV	5 to 6	3 to 4
b. Tan delta Bend point	Deg.C	120-125	120-125
Chemical Test			
a. Solvent Resistance	H	3H	3H
The above values are for guidance & giving good faith without any warranty			