



MITSOLDF-30

Type

class 155 deg. c. suitable for high speed enamelling of fine wires with balanced cut through & solderability. It is also available in different colours like Red, Green, Blue, & Pink.

Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 °C	ASTM D891		1.085 +/- 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 (1 gm/2 hrs/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 MITESTERT is recommended

Application

By Die 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-6031 7-20

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	80 (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		1.12 MM	0.250 MM
b. Cut Through	Deg. C	220	200
c. Thermal Class	Deg. C	155	155
d. Solderability at 390 °C	Sec	2	2
Electrical Tests			
a. Breakdown Voltage	KV	6 to 7	3 to 4
b. Tan delta Bending point	Deg. C	140-145	140-145
Chemical Test			
a. Solvent Resistance	H	3H	3H
The above values are for guidance & giving good faith without any warranty			