



MITSOLD F-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 ^o C | ASTM D 891 | | 1.085+/-0.02 |
| Viscosity | | | |
| a.By Ford Cup B4 at 30 ^o C | IS 3944 | Sec | 50+/-10 |
| b.By Brook Field at 25 ^o C | ASTM D-2196 | m pas | 200-250 |
| Solid Content (1gm/2 hrs /180 ^o 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-60317-20

| 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.Spring back | Deg. | 36-38 | 53-55 |
| e.Abrasion Resistance | | | |
| 1.Multiple | Strokes | 80(avg) | N.A |
| 2.Unidirectional | Newton | 6(avg) | N.A. |
| f.Pin hole at 100 Volts | Faults | NIL | NIL |
| Thermal Tests | | | |
| a.Heat shock at 155 ^o C | | 1.12MM | 0.250MM |
| b.Cut Through | Deg.C | 220 | 200 |
| c.Thermal Class | Deg.C | 155 | 155 |
| d.Solderability at 390 ^o C | Sec | 2 | 2 |
| Electrical Tests | | | |
| a.Breakdown Voltage | KV | 6 to 7 | 3 to 4 |
| b.Tandelta Bending point | Deg.C | 140-145 | 140-145 |
| Chemical Test | | | |
| a.Solvent Resistance | H | 3H | 3H |

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