



MITESTERFF

Type MITESTERFF is a wire enamel based on Polyester having wide curing range suitable for the wire range 0.05 to 1.6 mm dia.

Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 °C	ASTMD891		1.08 +/- 0.02
Viscosity			
a. By Ford Cup B4 at 30 °C	IS3944	Sec	75 +/- 10
b. By Brookfield at 25 °C	ASTMD-2196	mpas	400-500
Solid Content (1 gm/2 hrs/180 °C)	ASTMD-1353	%	35 +/- 0.5
Flash Point	ASTMD-93	Deg.c	45

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

Representative Properties of enamelled wires as per IEC-6085 1 part 1 to 6 & IEC-60317-34

Properties	Unit	Specification
Bare wire diameter	mm	1.00
Increase in diameter	mm	0.073
Colour		Brownish
Mechanical Tests		
a. Jerk test		OK
b. Peel Test	Revolution	177
c. Elongation	%	39
d. Spring Back	Deg	36
e. Flexibility		1d-OK
f. Abrasion Resistance		
1. Multiple	Strokes	60-70
2. Unidirectional	Newton (av)	12
Thermal Tests		
a. Heat shock at 180 °C		6d-OK
c. Cut Through	Deg.C	300-OK
d. Temperature Index	Deg.C	168
e. Thermal Class	Deg.C	130
Electrical Tests		
a. Breakdown Voltage	KV	10
b. Tan delta Bending point	Deg.C	103-108
Chemical Test		
a. Solvent Resistance	H	3H

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