



MITSHINERH

Type MITSHINERH is a wire enamel based on Modified Polyester having superior shine & attractive Reddish Golden colour for wider range of wires. It is an economical grade wire enamel, the properties being well balanced to match economy & properties.

Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 °C	ASTM D891		1.10 +/- 0.02
Viscosity			
a. By Ford Cup B4 at 30 °C	IS 3944	Sec	90 +/- 10
b. By Brookfield at 25 °C	ASTM D-2196	mpas	400-500
Solid Content (1 gm/2 hrs/180 °C)	ASTM D-1353	%	35 +/- 0.5
Flash Point	ASTM D-93	Deg. c	45

Recommended Thinner

For thinning the enamel, a special thinner Mitester is recommended.

Application

By Dies or Feltpads

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		Reddish Golden with Gloss
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	65-70
2. Unidirectional	Newton	12.86
Thermal Tests		
a. Heat shock at 180 °C		5d-OK
c. Cut Through	Deg. C	250-OK
d. Temperature Index	Deg. C	170
e. Thermal Class	Deg. C	130
Electrical Tests		
a. Breakdown Voltage	KV	10
b. Tan delta Bending point	Deg. C	100
Chemical Test		
a. Solvent Resistance	H	2H
The above values are for guidance & giving no warranty		