

# Technical Information

Wire Enamels I Mitsuper Shock M



## MITSUPER SHOCK M

### Type

MITSUPER SHOCK M is modified wire enamel having excellent properties. The wire enamel with broad curing range performs well on medium size wires.

### Specifications

Properties	Test Method	Unit	Specification
Specific Gravity at 25°C	ASTM D 891		1.10 + / - 0.02
<b>Viscosity</b>			
By Ford Cup B4 at 30°C	IS 3944	Seconds	80 + / - 10
By Brookfield at 25°C	ASTM D - 2196	M pas	300 - 500
Solid Content (1gm / 2hrs / 180°C)	ASTM D - 1353	Percentage	35 ± 1
Flash Point	ASTM D - 93	Degree in Celsius	45°C

**Recommended Thinner** - for thinning the enamel a special THINNER is recommended.

**Application** - By Dies or Felt Pads.

**Packing** - 210 kgs / 25 kgs in MS New barrels / drums.

Representative properties of enameled wire as per IEC - 60851 part 1 to 6 & 60317 - 34

Properties	Unit	Specification
Conductor Diameter	Millimeter	0.315
Increase in Diameter	Millimeter	0.04
Colour		Reddish Brown
<b>Mechanical Tests</b>		
Jerk Test		OK
Peel Test	Revolution	N.A.
Elongation	Percentage	28
Flexibility		1xd - OK
Resistance to Abrasion	Unidirectional - Newton	6
<b>Thermal Tests</b>		
Heat Shock at 180°C		5d - OK
Cut Through	Degree in Celsius	290 - OK
Thermal Class	Degree in Celsius	130
<b>Electrical Tests</b>		
Breakdown Voltage	Kilovolt (KV)	6
Tandelta Bending Point	Degree in Celsius	110 - 120
<b>Chemical Test</b>		
Solvent Resistance	Pencil Hardness (H)	3H

**Note** - All technical properties are for guidance only. Our data reflect the latest of our knowledge and are based on the characteristics established in the laboratory and on practice experience. No warranties of any kind, either expressed or implied, are made regarding the products here described.