

# Technical Information

Wire Enamels I Micromid 35



## MICROMID 35

UL RECOGNISED FILE NO. E 253451

### Type

MICROMID 35 is a Theic Modified Polyester imide based wire enamel with excellent flexibility & adhesion to Copper Conductors. It is suitable for rectangular wires also

### 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	100 + / - 10
By Brookfield at 25°C	ASTM D - 2196	M pas	400 - 600
Solid Content (1gm / 2hrs / 180°C)	ASTM D - 1353	Percentage	35 + / - 0.50 %
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.

**Shelf Life** - About 12 months from the date of production, if stored in original sealed containers in a cool & dry place.

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

Representative properties of enameled wire as per IEC - 60851 part 1 to 6 & IEC - 60317 - 08

Properties	Unit	Specification
Conductor Diameter	Millimeter	1.00
Increase in Diameter	Millimeter	0.076
Colour		Reddish Brown
<b>Mechanical Tests</b>		
Jerk Test		OK
Peel Test	Revolution	135
Elongation	Percentage	38
Flexibility		10% stretch 1xd - OK
Resistance to Abrasion	Unidirectional - Newton	13.1
<b>Thermal Tests</b>		
Heat Shock at 200°C		2.24 mm - OK
Cut Through	Degree in Celsius	350 - OK
Thermal Class	Degree in Celsius	180
<b>Electrical Tests</b>		
Breakdown Voltage	Kilovolt (KV)	10
Tandelta Bending Point	Degree in Celsius	183
<b>Chemical Test</b>		
Solvent Resistance	Pencil Hardness (H)	4H
Freon R22 Blister Test		No Blisters
Freon R22 Extraction	Percentage	Less than 0.100

**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.