



MICRO INKS



MICROMID 39

Type MICROMID 39 is a Theic modified Polyesterimide enamel used as a single coat as well as for dual coat wires. .It is recommended for thicker gauges. Wires combined with MICROMID 39 & Polyamide - Imide enamel have excellent resistance against chemicals including refrigerants & suitable for application in hermetic motors.

Specifications

Properties	Test Method	Unit	Specification
Specific gravity at 25 ⁰ C	ASTM D 891		1.10+/-0.02
Viscosity			
a.By Ford Cup B4 at 30 ⁰ C	IS 3944	Sec	125+/-5
b.By Brook Field at 25 ⁰ C	ASTM D-2196	m pas	550-700
Solid Content (1gm/2 hrs /180 ⁰ C)	ASTM D-1353	%	39+/-1
Flash Point	ASTM D-93	Deg.c	45

Recommended Thinner

For thinning the enamel,a special thinner MICROMID 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

210 kgs/25 kgs in MS New barrels/drums

Rep.Properties of enamelled wires as per IEC-60851 part 1 to 6 & IEC-60317-8 & IEC-60317-13

Properties	Unit	Specification	
		Micromid 39 Single coat	Micromid 39+ PAI Dual coat
Bare wire diameter	mm	1.626	1.626
Increase in diameter	mm	0.08	0.08
Colour		Reddish brown	Reddish brown
Mechanical Tests			
a.Jerk test		N.A	N.A
b.Peel Test	Revolution	90	90
c.Elongation	%	40	40
d.Flexibility	32% str.	OK	OK
e.Abrasion Resistance			
1.Multiple	Strokes	105	110
2.Unidirectional	Newton	17	17.5
Thermal Tests			
a.Heat shock at 200 ⁰ C	25% str	OK	
b.Heat shock at 220 ⁰ C	25 % str		OK
c.Cut Through	Deg.C	350-OK	350-OK
d.Temperature Index	Deg.C	200	220
e.Thermal Class	Deg.C	180	200
Electrical Tests			
a.Breakdown Voltage	KV	10	10
b.Tandelta Bending point	Deg.C	190	200
Chemical Test			
a.Solvent Resistance	H	4H	4H
b.Freon R22 Blister Test		No Blister	No Blister
c.Freon R22 Extraction	%	Less than0.100	Less than 0.100

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