



MITMID35

Type MITMID35 is a thermally modified polyethylene enamel used as a single coat as well as for dual coat wires. It is recommended for fine to medium gauges.

excellent resistance against chemicals including refrigerants & suitable for application in hermetic motors.

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	100 +/- 10
b. By Brookfield at 25 °C	ASTM D-2196	mpas	400-550
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 for MITMID 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

Rep. Properties of enamelled wires as per IEC-60851 part 1 to 6 & IEC-60317-8 & IEC-60317-1 3

Properties	Unit	Specification	
		Mitmid35 Singlecoat	MITMID35+P Al Dualcoat
Bare wire diameter	mm	1.00	1.00
Increase in diameter	mm	0.073	0.073
Colour		Reddish brown	Reddish brown
Mechanical Tests			
a. Jerk test		OK	OK
b. Peel Test	Revolution	137	137
c. Elongation	%	39	39
d. Flexibility		1d-OK	1d-OK
e. Abrasion Resistance			
1. Multiple	Strokes	101	110
2. Unidirectional	Newton	13.38	12.1
Thermal Tests			
a. Heat shock at 200 °C		2.240MM-OK	
b. Heat shock at 220 °C			2.240MM-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. Tan delta Bending point	Deg. C	182	190
Chemical Test			
a. Solvent Resistance	H	4H	4H
b. Freon R22 Blister Test		No Blister	No Blister
c. Freon R22 Extraction	%	Less than 0.100	Unconditional 72hr Less than 0.100

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