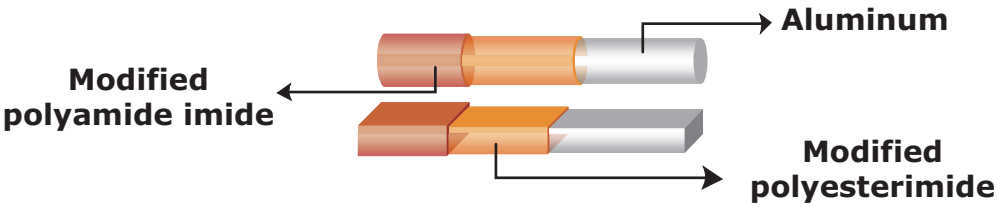
FIOS ESMALTADOS

INVEMID 200 Al (Aluminum)-MW 35A, MW 36A, MW 73A

PRODUCT CONSTRUCTION



GENERAL INFORMATIONS

MAIN USES

- Alternators, ignition coils
- Electric toolst
- Motors for home appliances
- Motors for vehicle wind wipers
- Hermetic Motors
- Motors and high tension transformers
- Ballasts for fluorescent lamps

REFERENCES

Round
MW-35A / 73A
IEC-60317-25

Square and Rectangular
MW-36A

PROPERTIES

- Resistant to high temperatures
- Optimal mechanical resistance
- Resistant to cooling fluids and chlorinated oils

AVAILABILITY

Round
04 to 26 AWG

Square and Rectangular
See Graph

TYPICAL PROPERTIES

(This data is typical of 18 AWG aluminum, heavy build insulation only. It is not intended to be creating specification limits)

THERMAL PROPERTIES

Heat Shock
Specification: 15% - 3xØ - ½ hr at 240°C - no cracks
Typical Values: No cracks

CHEMICAL PROPERTIES

Retained Dielectric after 72 hrs exposure to R-22
Specification: min 5700 Volts
Typical Values: 11500 Volts

R-22 Extractable
Specification: max 0.25%
Typical Values: 0.17%

Resistance to solventes after 24 hrs
Specification: Xylene and 50/50
Xylene/Butyl Cellesolve
Typical Values: Pass

Transformer Oil resistance (IEC-60851-4)
Specification: Dielectric strenght after 1000 hr at 150°C
Min Average - 5700 Volts
Typical Values: 12000

ELECTRICAL PROPERTIES

Dielectric Breakdown
Specification: min - 5700 Volts
Typical Values: 13000 Volts

Dielectric Strenght at 220°C
Specification: min - 4275 Volts
Typical Values: 9000 Volts

High Voltage Continuity
Specification: 10 faults/100 feet - 1500 VDC
Typical Values: 0 faults/100 feet - 2500 VDC

MECHANICAL PROPERTIES

Mandrel flexibility after elongation
Specification: 15% - 3xØ no cracks
Typical Values: 15% - 2xØ no cracks

Unilateral Scrape (Avg. of 3 sides)
Specification: min - 1150 gms
Typical Values: 1550 gms