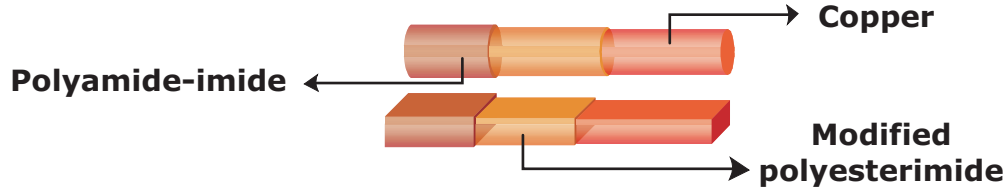




FIOS ESMALTADOS

# INVEMID 200 - MW 35C, MW 36C, MW 73C

## PRODUCT CONSTRUCTION



## GENERAL INFORMATION

### 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-35C / 73C  
IEC-60317-13

**Square and Rectangular**  
MW-36C  
IEC-60317-29

### PROPERTIES

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

### AVAILABILITY

**Round**  
04 to 34 AWG

**Square and Rectangular**  
See Graph

## TYPICAL PROPERTIES

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

### THERMAL PROPERTIES

#### Thermal Endurance (20000hr)

Specification: 200°C  
Typical Values: 211°C

#### Thermoplastic Flow

Specification: 300°C  
Typical Values: 400°C

#### Heat Shock

Specification: 20% - 3xØ - ½ hr at 220°C - no cracks  
Typical Values: No cracks

### CHEMICAL PROPERTIES

#### Retained Dielectric after 72 hrs exposure to R-22

Specification: min 5700 V  
Typical Values: 11500 V

#### R-22 Extractable

Specification: max 0.25%  
Typical Values: 0.17%

#### Resistance to solvents

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 V  
Typical Values: 12000

### ELECTRICAL PROPERTIES

#### Dielectric Breakdown

Specification: min - 5700 V  
Typical Values: 13000 V

#### Dielectric Strenght at 200°C

Specification: min - 4275 V  
Typical Values: 9000 V

#### High Voltage Continuity

Specification: 5 faults/100 feet - 1500 V  
Typical Values: 0 faults/100 feet - 2500 V

#### Pinhole (JIS 3003)

Specification: 2% salt water 1 minute at 12 V  
Typical Values: 0 faults

### MECHANICAL PROPERTIES

#### Mandrel flexibility after elongation

Specification: 20% - 3xØ no cracks  
Typical Values: 20% - 2xØ no cracks

#### Unilateral Scrape (Avg. of 3 sides)

Specification: min - 1150 g  
Typical Values: 1550 g