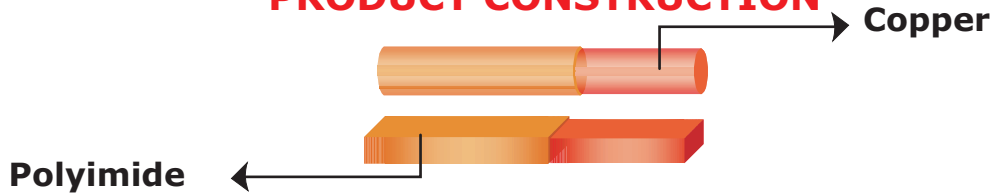




FIOS ESMALTADOS

# INVETEMP 240 - MW 16C, MW 20C

## PRODUCT CONSTRUCTION



## GENERAL INFORMATION

### MAIN USES

- Encapsuled coils
- Submersed pump
- Electric tools
- Hermetic motors
- Traction motors
- Equipments under high thermal stress and humidity

### REFERENCES

**Round**  
MW-16C  
IEC-60317-7

**Square and Rectangular**  
MW-20C

### PROPERTIES

- Excellent thermal resistance
- Exceptional characteristic of resistance to chemical agents and overload main uses

### AVAILABILITY

**Round**  
Single 04 to 34 AWG  
Heavy 04 to 28 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: 240°C  
Typical Values: >240°C

#### Thermoplastic Flow

Specification: 450°C  
Typical Values: >500°C

#### Heat Shock

Specification: 20% - 3xØ - ½ hr at 280°C - no cracks  
Typical Values: No cracks

### CHEMICAL PROPERTIES

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

Specification: min - 5700 V  
Typical Values: 10500 V

#### R-22 Extractable

Specification: max - 0.25%  
Typical Values: 0.05%

#### Resistance to solvents after 24 hrs

Specification: Xylene and 50/50 Xylene/Butyl Cellesolve  
Typical Values: Pass

#### Solubility

Specification: Specimens immersed in Xylene or 50/50 Xylene/Butyl Cellosolve shall not soften sufficiently to expose the bare conductor  
Typical Values: Pass

### ELECTRICAL PROPERTIES

#### Dielectric Breakdown

Specification: min - 5700 V  
Typical Values: 12000 V

#### Dielectric Strength at 240°C

Specification: 4275 V  
Typical Values: 7800 V

#### High Voltage Continuity

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

### 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 - 835 g  
Typical Values: 1400 g