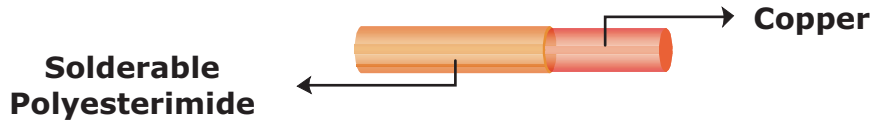




FIOS ESMALTADOS

INVETERM 180 SOLDERABLE - MW 77C

PRODUCT CONSTRUCTION



GENERAL INFORMATION

MAIN USES

- Electromagnetic brakes
- Motors for home appliances
- Fractional and universal motors
- Tension adjusting reactors and ignition coils
- Rheostat, relays and timers
- Transformers and motors in general under humidity and heat

REFERENCES

Round
MW-77C
IEC-60317-23

Square and Rectangular
-

PROPERTIES

- Solderable (470°C)
- Resistant to high temperatures

AVAILABILITY

Round
14 to 34 AWG

Square and Rectangular
-

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 (20000hs)

Specification: 180°C
Typical Values: 180°C

Thermoplastic Flow

Specification: 250°C
Typical Values: 290°C

Heat Shock

Specification: 20% - 3xØ - ½ hr at 200°C - no cracks
Typical Values: No cracks

ELECTRICAL PROPERTIES

Dielectric Breakdown

Specification: min - 5700 V
Typical Values: 11500 V

Dielectric Strength at 180°C

Specification: min - 4275 V
Typical Values: 8500 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 - 980 g
Typical Values: 1400 g

CHEMICAL PROPERTIES

Resistance to solvents after 24 hrs

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