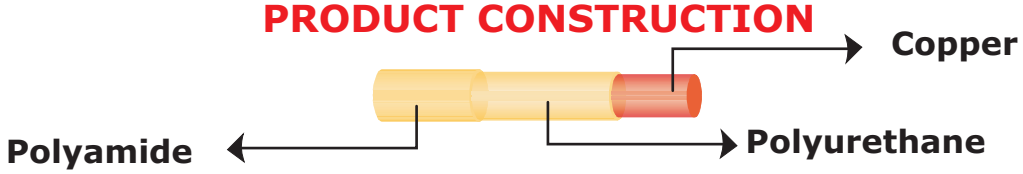
FIOS ESMALTADOS

INVESOLD 180 NY - MW 83C

PRODUCT CONSTRUCTION



GENERAL INFORMATION

MAIN USES

- Metering devices
- Coils for electronic equipment
- Micromotors
- Small Transformers
- Reactors
- Relays

REFERENCES

Round
MW-83C
IEC-60317-55

Square and Rectangular
-

PROPERTIES

- Solderable (390°C)
- Good resistance to abrasion and excellent coiling characteristics

AVAILABILITY

Round
14 to 44 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 (20000hr)
Specification: 180°C
Typical Values: 180°C

Thermoplastic Flow
Specification: 225°C
Typical Values: 251°C

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

Solderability
Specification: 390°C for 6 seconds
Typical Values: 390°C for 3 seconds

CHEMICAL PROPERTIES

Resistance to solvents
Specification: Xylene
Typical Values: Pass

ELECTRICAL PROPERTIES

Dielectric Breakdown
Specification: min - 5130 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: no cracks

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