



FIOS ESMALTADOS

INVETERM 180 W - MW 30C

PRODUCT CONSTRUCTION



GENERAL INFORMATION

MAIN USES

- Alternators, ignition coils
- Electric tools
- Static Switches
- Electromagnets
- AC Adapters
- Generators
- Welding Machines
- Motors and high tension transformers

REFERENCES

Round MW-30C IEC-60317-8	Square and Rectangular IEC-60317-28
---------------------------------------	---

PROPERTIES

- Resistant to high temperatures and chemical agents

AVAILABILITY

Round 04 to 14 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 (20000hs)

Specification: min - 180°C
Typical Values: 203°C

Thermoplastic Flow

Specification: min - 300°C
Typical Values: 360°C

Heat Shock

Specification: 20% - 3xØ - ½ h 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

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: 0.17%

Resistance to solvents after 24 hrs

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