

EmTherm 180

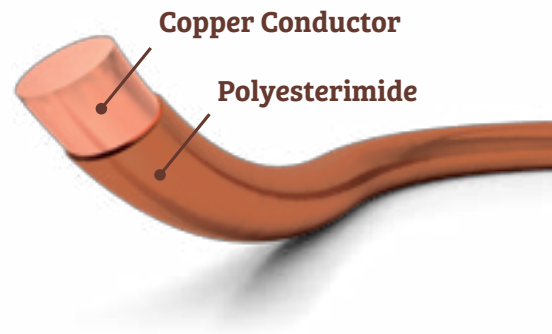
IEC 60317 - 8

EmTherm 180 is polyesterimide enamelled copper wire belonging in H (180°C) thermal class, able to be manufactured in the diameter range of 0.05 - 4.00 mm.

Providing thermal resistance up to 180°C, EmTherm 180, offers strength against freon gas and good resistance against solvents. It also possess the features of high speed rolling capability and high mechanical resistance.

Fields of Use:

- Oil transformers
- Transformers with casting resin
- General purpose electric motors
- Voltage regulators



Thermal Class (°C)	Class H, 180°C
Insulation Base Coat	THEIC Modified Polyesterimide
Insulation Top Coat	-
Insulation Bonding Layer	-
Production Range (mm)	0.05 - 4.00 mm
Standards IEC	IEC 60317 - 8
UL File No	E336772
Thermal Class (°C)	180°C
Heat Shock (°C)	≥ 200°C
Cut-Through Temperature (°C)	≥ 320°C
Soldering Temperature (°C)	Non-solderable
Bonding Temperature (°C)	Non-applicable
Re-softening Temperature (°C)	Non-applicable
Normal Solvent Resistance	4H - 5H
Dipping Varnish Resistance	Good
Refrigerant Resistance	Good
Transformer Oil Resistance	Good
Distinct Features	High thermal resistance up to 180 °C, strong against Freon gas, good resistance against solvents, high speed rolling, high mechanical strength.
Fields of Use	Electromechanics, various electrical devices.

● Copper conductor 🌊 180°C thermal class

