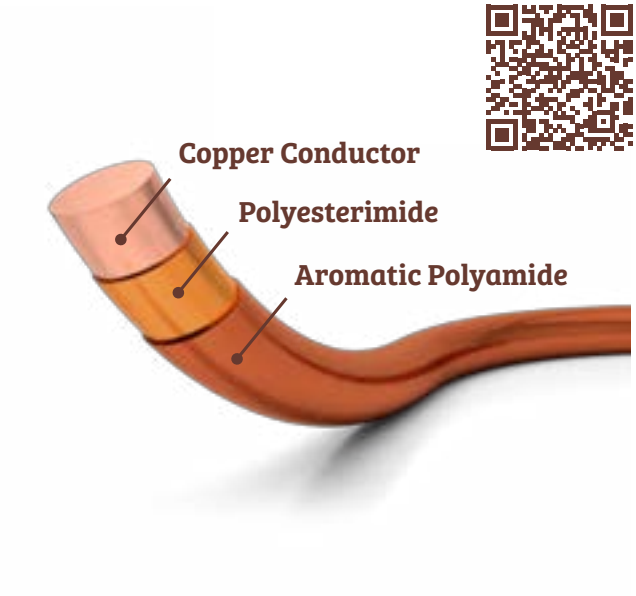
EmTherm 180 Bond

IEC 60317 - 37

EmTherm 180 Bond, is a polyesterimide coated, self-bonding enamelled copper wire belonging in H (180°C) thermal class, able to be manufactured in the diameter range of 0.08 - 0.80 mm.

EmTherm 180 Bond possess the feature of self-bonding through being kept at furnace at 160°-190°C temperature, blowing hot air at 200°C temperature, applying 120 A/mm^2 current or ethyl/methyl alcohol.



Fields of Use:

- Step motors
- Air coils
- Speaker coils
- Brake coils

Thermal Class (°C)	Class H, 180°C
Insulation | Base Coat	THEIC Modified Polyesterimide
Insulation | Top Coat	-
Insulation | Bonding Layer	Aromatic Polyamide
Production Range (mm)	0.08 - 0.80 mm
Standards IEC	IEC 60317 – 37
Thermal Class (°C)	180°C
Heat Shock (°C)	≥ 200°C
Cut-Through Temperature (°C)	≥ 320°C
Soldering Temperature (°C)	Non-solderable
Bonding Temperature (°C)	160-190°C
Re-softening Temperature (°C)	190°C
Normal Solvent Resistance	4H
Dipping Varnish Resistance	Good
Refrigerant Resistance	Good
Transformer Oil Resistance	Non-usable
Distinct Features	Self-bonding via 120 A/mm2 current or ethyl/methyl alcohol application, keeping at furnace at 160-190°C temperature; high mechanical strength.
Fields of Use	Lifting equipments, transformers, motors

Copper conductor 180°C thermal class

RoHS