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POLYBOND C200 THERMO

High Temperature Enamelled Copper Wire

DESCRIPTON

Polybond C200 Thermo consists of round copper wire insulated with a high temperature enamel system of polyesterimide base coat with a polyimide-amide top coat and a aromatic polyamide bond coat.
When heated, Polybond wires are designed to bond together turn to turn, which eliminates the need of further impregnation with varnishes and resins.
Polybond wires are easily bonded with heat in the production process, resulting in coils of high bond strength, as well as increasing productivity of the production line.
The enamel provides excellent thermal and chemical resistance, as well as good mechanical properties.

APPLICATIONS

Polybond C200 Thermo finds use as a winding wire in a wide range of rotating and static electrical equipment, including:

→ Electric Motors Stators
→ Electric Motor Armatures
→ Small Coils
→ Dry Type Transformers
→ RFID Cards

Temperature class	200°C
Enamel type (Base coat)	Polyesterimide
Enamel type (Top coat)	Polyamide-imide
Enamel type (Bond coat)	Aromatic Polyamide
Diameters	0.18 - 2.00mm
Grades	G1B, G2B
Colours	Natural, Red, Green, Black
Breakdown voltage	1.5 x IEC value
Heat shock	> 220°C
Bonding temperature	210°C
Re-softening temperature	190°C
Solderability	Non solderable
Cut through	≥ 320°C
Chemical resistance	Good
Methods of test	IEC 60851
Standards & Certifications (Enamel)	IEC 60317-38 NEMA/ANSI type MW 102C UL Certified, Class 200 (File E93551)
Standards (Dimensions & Tolerances)	IEC 60317-0-1
Standards (Packaging)	IEC 60264
RoHS compliant	Yes
REACH SVHC concentration	0%
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