Class 220 Polyester Overcoated with Polyamideimide Film-Insulated Square Copper Magnet Wire

Table1 Specifications

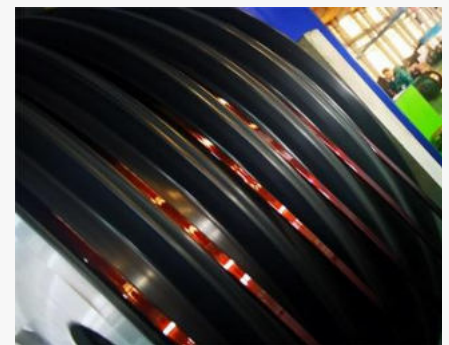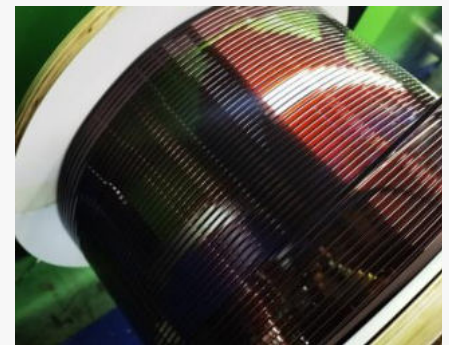| Insulation materials	Film - Insulation Types Polyester Overcoated with Polyamideimide; Polyester (Imide) Overcoated with Polyamideimide; Polyester (Amide) Overcoated with Polyamideimide
Thermal Class	220
Dimensions	Square: 1-14 AWG Bare conductor:1.628mm-7.328mm Heavy:1.781mm-7.549mm Quad:1.831mm-7.60mm
Certificate	MW 38-C
Insulation thickness	Heavy and Quad

Table 2 Periodic conformance tests

Thermoplastic flow	Median not less than 325ºC when tested as MW 37-C Heavy Build
Solubility	Specimens immersed in xylene and 50/50 xylene/butyl Cellosolve shall not soften sufficiently to expose the bare conductor
Dielectric breakdown rated temperature	Average not less than 75% of the value required at room temperature, when tested on MW 35-C Heavy build

Table 3 Properties

Adherence and flexibility	No cracks visible in the film coating
Elongation	Bare or Film- Insulated MW Specification 18, 20, 36, 38, 64, 84
Heat shock	No cracks visible in the film coating after 15% elongation followed by conditioning at 240ºC
Springback	Not greater than 5º
Dielectric breakdown	Not less than the value in Heavy (500-1500) / Quad (900-2500) Applicable to Heavy film-insulated sizes having a thickness of less than 0.049 in. (1.25 mm) or a width greater than 0.492 in. (12.5 mm), or a width-to- thickness ratio greater than 5:1, and all Quad. Other Heavy film-insulated sizes shall be tested in accordance with Foil Electrode Method Heavy film-insulated sizes having a thickness 0.049 in. (1.25 mm) or greater; a width of 0.492 in. (12.5 mm) or less; and a width-to-thickness ratio not more than 5:1 shall have a dielectric breakdown voltage not less than in the table above after bending

郑州蓝普实业有限公司

Zhengzhou LP Industry CO., LTD.

Phone: 0086-19337889070

Web: https://lpwindingwire.com

Email：office@cnlpzz.com

Add： NO. 86 Jingsan Road, Jinshui District, Zhengzhou, China