



Model Number: SB-APPT

Working temperature: -60°C ~ +220°C

Structure

Aromatic polyamide paper tubing is manufactured by twisted aromatic polyamide paper then adhesive by special glue. The glue possesses similar chemical characteristics with polyester film.

Usage

Main application range: insulation and mechanical protection for soldering, connection, wire harness, transformer, motor, cable, heating element, capacitor, telephone, electrical appliance etc.

Characteristics

Dimension	Inside diameter 2.0-65(mm), Thickness 0.05-1(mm), Length 10-1000(mm)
Color	Natural color, clear, yellow, stripe available
Dielectric strength	After polishing, it can withstand 18~40KV/mm short time voltage field strength. It is not necessary to do further treatment with varnish or resin. Due to the low dielectric strength of Aromatic polyamide paper product, the electric field is distributed averagely between insulation and cooling dielectric.
Mechanical tenacity	Excellent intensity, high flexibility, high performance of wear resistance
Thermal stability	Compliant with UL standard and can work under 220°C stably more than 10 years.
Chemical compatibility	Resistance to acid and alkali. It is compatible with all varnish, adhesive, transformer liquid, lubricant and coolant. Beside, Aromatic polyamide paper is not easy to be destroyed by insect, epiphyte and mildew.
Low temperature performance	In the boiling point(77k)of nitric, the strength of T410insulation paper and Aromatic polyamide paper exceed the strength under room temperature
Humidity resistance	Although the product is wet more than 95%, its dielectric strength is totally dry in 90%. Consequently, many mechanical characteristics changed
Radiation resistance	Even though the ionization strength up to 800 Mrad (8MGy), Aromatic polyamide paper won't be affected. Moreover, it will maintain its mechanical and electrical properties after 8 times radiation.
Non-toxic/fire endurance	It is no harmful to human and environment. It doesn't melt in air. It's fireproof. Its oxygen restriction index is higher than 20.8 in 220°C, so it won't catch fire. Aromatic polyamide paper products compliant with all restrictions in UL94 V-0 standard.

Note: Besides above dimension, can manufacture other dimension upon request.