

## High Voltage Tape (HX-B500)

### **Features:**

HX-B500 is a butyl based medium voltage tape possessing excellent electrical, chemical and physical properties. It is a self-amalgamating tape that maintains.

It is a self-amalgamating tape that maintains a tight insulation build-up for void-free electrical stability and permanent resistance to moisture penetration.

The excellent stretch of HX-B500 tape permits fast taping speeds and uniform build-up with normal taping techniques.

HX-B500 is compatible with all extruded dielectric cable insulations.

### **INSULATING AND JACKETING TAPE FOR USE THRU 69kV.**

- . Self-amalgamating
- . Outstanding corona and ozone resistance
- . UV Resistance
- . Excellent moisture
- . Corrosion and chemical resistance.

### **Applications:**

For insulating and jacketing of splices on power cable from 600V through 46kV and for building stress cones and jacketing of terminations on power cable from 600V thru 35KV. Moisture seal for telephone joints and other waterproofing needs. Insulates and projects bus components.

### **Installation techniques:**

Tapes should be stretched during half-wrapping so that the tape width is reduced to 3/4 of its original width. Overlap at least two layers of PVC tape outside of the rubber tape to provide mechanical protection.

### **Test Result:**

Property	Unit	Value	Test Method
Total Thickness	mm	0.50	ASTM-D-4325
Tensile Strength	Psi	300	ASTM-D-4325
Elongation at break	%	700	ASTM-D-4325
Temperature range	-40~90	°C	ASTM-D-4325
UV resistance	Pass	---	ASTM-D-4325
Water Absorption	0.31	%	ASTM-D-570
Ozone Resistance	PASS		ASTM-D-4325
Dielectric Strength	Kv/mm	28	ASTM-D-4325
Dielectric Constant	V/mil	2.7	ASTM-D-4325
Dissipation Factor	---	0.02	ASTM-D-4325
Volume Resistivity-96h@23°C 50%RH	10 <sup>16</sup>	Ohm-cm	ASTM-D-4325

**Other Property:**

- ◆ Color: Black
- ◆ Shelf life: 12 months when stored in original packing carton at 23℃×65%RH

**Tape Size:**

- ◆ Standard slit Roll: 19mmx9mm/25mmx9m/38mmx9m/51mmx9m      ◆ Paper Core Inner Dia.: 38mm
- ◆ Jumbo roll: 800mm\*300m, 240m<sup>2</sup>, 2 rolls/wooden box.

**Remarks:**

All the data above based on our testing, the user should do trial-application on the above products before coming into application, so as to witness and ensure suitability for user's special purpose and technique.



*Beijing Huaxia Yongle Adhesive Tape Co., Ltd*