



High Voltage Tape (HX-W963)

Features:

HX-W963 is an ethylene propylene rubber based high voltage tape possessing excellent electrical, chemical, and physical properties. HX-W963 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-W963 permits fast taping speeds and uniform build-up with normal taping speeds and uniform build-up with normal taping techniques. HX-W963 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

Applications:

Primary electrical insulation for splicing cable from 600V to 69 kV on all solid dielectric cables;

Primary insulation for building stress cones on cables up to 35 kV on all solid dielectric cables;

Jacketing on high-voltage splices and terminations;

Moisture sealing electrical connections;

Bus bar insulations;

End sealing high-voltage cables.

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	0.76	ASTM-D-4325
Tensile Strength	Psi	250	ASTM-D-4325
Elongation at break	%	850	ASTM-D-4325
Continuous Operating Temperature	90	°C	ASTM-D-4325
Emergency Overload Temperature	130	°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	32	ASTM-D-4325
Dielectric Constant-24H@23°C	V/mil	2.7	ASTM-D-4325

Dielectric Constant-168H@70°C	V/mil	2.9	ASTM-D-4325
Volume Resistivity-96h@23°C 50%RH	10 ¹⁵	Ohm-cm	ASTM-D-4325
Volume Resistivity-96h@23°C 50%RH	10 ¹⁴	Ohm-cm	ASTM-D-4325

Other Property:

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

Tape Size:

- ◆ Standard Roll: 19mmx9m/25mmx9m/38mmx9m/51mmx9m
- ◆ Paper Core Inner Dia.: 38mm

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