

## **FJRD Composite Insulative Tape**



### **Structure**

It is made of the heat shrinkable layer and the bonding layer of low melting point polymer composition.

### **Performance**

The outer layer shrinks; the inner layer melts when heated to realize seal and insulation integration of a protected charged body.

### **Installation**

Wind the materials according to 1/2 overlap, the ends can be fixed with simple tape, heat uniformly with the torch from one side to another side until the inner adhesive exuding uniformly along the overlap after shrinkage, form an unity after cooling.

## Technical Data

Property	Performance	Standard
<b>Electrical</b>		
Dielectric Strength	27-30KV/mm	GB1048
Breakdown Voltage	42KV/mm	GB311
Lightning Impulse	75KV/±10times	GB311
Thermal Current	31.5KA	GB2706-89
Dynamic Stable Current	80.0KA, Peak	GB2706-89
Volume Resistivity	10 <sup>14</sup> Ω·cm	GB1044
Permittivity	2.5-3.5	GB1409
<b>Chemical</b>		
Oxygen Index	≥ 28	GB1406
Water Absorption	≤ 0.1%	GB1406
Low temp. Flexibility (a)	Pass	GB1034
Corrosion Test (b)	Pass	
<b>Physical</b>		
Tensile Strength	≥ 14.0 MPa	GB1040
Elongation	≥ 400%	GB1040
Operating Temperature	-55°C~105°C	
Aging Test	Pass	GB1040

(a) Low temp. flexibility test condition: -55±2°C, 4h

(b) Corrosion test condition: 23±2°C, humidity 95%, 4h

**Specifications**

Voltage (KV)	Thickness (mm)	Width (mm)	Type	Length (m)
6.6 ~ 15	1.0 ~ 1.4	25, 50	C, P	5, 10, 15
20 ~ 27	1.5 ~ 1.8	25, 50	C, P	5, 10, 15
30 ~ 36	2.0 ~ 3.2	25, 50	C, P	5, 10, 15

1. Other sizes can be custom made.
2. Both flame retardant and non-flame retardant are available.
3. Standard colors: RED, YELLOW, GREEN, BLACK.