

# Technical DATA

## Jacobs 52 Self Amalgamating Tape

### 01 Specification

19mm (W) x 9.15mtr (L) x 0.76mm (Th)  
 25mm (W) x 9.15mtr (L) x 0.76mm (Th)  
 38mm (W) x 9.15mtr (L) x 0.76mm (Th)  
 50mm (W) x 9.15mtr (L) x 0.76mm (Th)  
 19mm (W) x 10mtr (L) x 0.76mm (Th)  
 25mm (W) x 10mtr (L) x 0.76mm (Th)  
 38mm (W) x 10mtr (L) x 0.76mm (Th)  
 50mm (W) x 10mtr (L) x 0.76mm (Th)

\* Size can be available as per Customers request.

### 02 Product Features

- Good compatibility with various materials and cables, and perfectly suitable for irregular surfaces.
- Easy installation and time saving, no need heating, special tools.
- High reliability, excellent physical and electrical performance.
- Emergency overload temperature up to 130 °C.

### 03 Application range

- Primary insulation repair for cables up to 69KV
- Primary insulation for making stress cones on the cables
- Primary insulation and sheath repairing for cable jointing and terminating up to 69KV
- Moisture-resistant and sealing for electrical connection of high-voltage cables indoor and outdoor
- Insulation protection of connection parts of high voltage electrical equipment
- Insulation, moisture-resistant and sealing for cable ports and connections
- Insulation for bus-bar connection and cable end seals

### 04 Instructions

1. Stretch the tape to 3/4 of its original width and wrap it on the objects.



Jacobs 52 self amalgamating/fusing tape is made from EPR material which has excellent insulation ,self fusing performance and stability. Its continuous working temperature is 90 ° C and emergency overload temperature can reach 130 ° C , conducive to heat dissipation at the joint. With excellent physical and electrical properties, it can quickly fill the gap to form a moisture resistant sealing protection layer. It can be used for low voltage insulation as well as insulation for joints up to 69KV.

2. Always half-overlap it on previous wrap to produce a uniform buildup, until reaching the thickness we need.
3. After wrapping, press the tape for a moment and the tape will amalgamate rapidly
4. At last, apply two layers pvc tape for mechanical protection

Advice:

- To make void-free in critical areas, highly elongate the tape approaching the breaking point
- For jointing and splicing cables from 35KV up to 69KV, elongate the tape throughout the entire splice

### 05 Technical Parameters

Properties	Typical Value
Brand	Jacobs
Tensile Strength	3Mpa
Elongation at break	900%
Temperature	90 °C
Emergency overload Temperature	130 °C
Dielectric Strength	42 KV/mm
Insulation Resistance	>1 x 106 MΩ
Dielectric constant	3.5(23°C) / 3.6(90°C)
Ozone and Aging Resistance	Pass