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# Chapter 2

## Post Insulator Types

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### 2.3 Station post insulator

**By Orient Power**

# Station post insulator



**Orient Power**

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## The definition of station post insulator

Station post insulator is mainly use on station and substation, station post insulator can suit for various voltage level, ranges from 10Kv to1000kV.

## The functions of station post insulator

In the substation, station post insulator provides insulation and support function.

## Material

We can divide the station post insulator into two different types according to material:

- Porcelain station post insulator
- Composite/ silicone and rubber/ polymer station post insulator

## Production method

There are two production methods about porcelain station post insulator

- Wet process porcelain
- Dry process porcelain

For composite post insulator:

- Injection moulding way

## Mechanical strength of station post insulator

To make sure the good quality, strict test about station post insulator is required, following are four different strength test:

- Cantilever strength test
- Tension strength test
- Compression strength test
- Torsion strength test

## Standard

Station post insulator manufactured according to the ANSI, IEC, BS and other standards.

More information about station post insulator standards is provided in Orient Power website.