



sales@orientinsulators.com
<http://www.line-post-insulator.com>

Chapter 1

Line Post Insulator Definition

1.4 Line post insulator materials

By Orient Power

Line post insulator materials



Orient Power

sales@orientinsulators.com

<http://www.line-post-insulator.com>

Generally the line post insulator material can be classified as two types: the porcelain line post insulator and the silicone rubber line post insulator.

Porcelain line post insulator material:

- Body material: Good commercial grade wet-process porcelain C110, C120, C130.
- To the environment, the porcelain material insulator is not a dangerous waste
- It also has a wide scope of application: contactors, disconnectors, equipment transformers...

Silicone rubber line post insulator material:

- The insulator shed material is FRP & HTV silicone rubber which consists of White carbon black, Aluminum hydroxide, and gum.
- The core rod material of the composite pin type insulator is Glass-fiber reinforced fiber glass.
- The Insulators end fitting materials are hot dip galvanized steel
- The silicone rubber material is not fragile to shocks, has low maintenance cost, high resistance to flashovers and punctures.
- Excellent tracking resistance avoids erosion or tracking of the housing material.

There are also other types of materials for line post insulator such as EVA (Ethylene Vinyl Acetate), EP (Epoxy epoxide), ERP (Ethylene propylene rubber), but these materials are not usually used.