



sales@orientinsulators.com
<http://www.postinsulators.com>

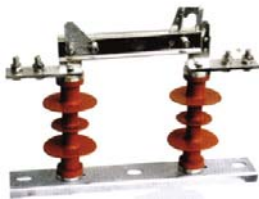
Chapter 2

Post Insulator Types

2.2 Composite post insulator

By Orient Power

Composite post insulator



Orient Power

sales@orientinsulators.com

<http://www.postinsulators.com>

Composite post insulator can be classified as composite station post insulator and composite post insulator for apparatus switchgear.

Composite station post insulator application:

The station post insulators are intended for use in outdoor substation application.

Composite station post insulator strength:

The cantilever strength upright, tensile strength, compression strength, torsional strength is very important mechanical technical factors.

Composite post insulator for apparatus switchgear designs and mechanical loading:

- Composite apparatus post insulator consists of resin impregnated fiberglass core, a polymeric housing, and end fitting attachment devices.
- Mechanical loading of this apparatus insulator can be compression, cantilever, tensile and torsion depending on the application.

Composite insulator tests:

- Prototype test: tests on interfaces and connection of end fittings, assembled load tests, core material tests...
- Design test: low frequency wet withstand test, impulse withstand test, critical-impulse flashover tests, cantilever breaking test, compression load test, galvanizing test, retest procedure for sample test.
- Sample test: sample selection, verification of dimensions, specified tensile load test
- Routine test: tensile load test, visual examination.