



[sales@composite-insulator.com](mailto:sales@composite-insulator.com)  
<http://www.composite-insulator.com>

# Chapter 1

## Composite Insulator Definition

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1.14 Silicone Rubber Insulator Cleaning

By Orient Power

# Silicone Rubber Insulator Cleaning



## Why do we want to clean the silicone rubber insulators?

- ◆ The silicone rubber insulators, also known as composite insulators, with excellent stain flash performance, widely used in the power system; however, due to the long time without cleaning, the insulator surface area will become increasingly important in the use of up to a certain time still there flashover incidents continue to occur. For ensuring the safety of using the insulator, Silicone rubber insulator cleaning is very important.
- ◆ The silicone rubber insulators, after having been cleaned and dried, shall be completely immersed in a tank containing a suitable insulating medium to prevent surface discharges on them before doing some related tests.

When insulators are grouped together, such as in a substation, pressure washing or hand cleaning can be difficult to accomplish while the station is energized, due to the clearances that must be maintained.

## How to clean the silicone rubber insulators?

- ◆ Sweeping breakout
- ◆ Using high-pressure water cleaning
- ◆ Nowadays, that using helicopters to clean designed for UHV transmission lines without power outages, mainly to reduce the loss of the Power.



**Orient Power**

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