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# Chapter 1

## Composite Insulator Definition

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1.10 Composite Insulator Made in China

By Orient Power

# Composite Insulator Made in China



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Composite insulator made by China is with good quality now, but it also goes through a long period to improve. China begins composite insulator production almost from 1990s'. Because of the material of the silicone rubber and non anti-acid fiber glass rod, and also the wedge assembly of the end fitting and rod, the first batch which is on line is not very good.

Along with the development of technique, and the good technique imported from abroad, China's composite insulator goes through second generation from year 2000. Now the second generation composite insulators are still in service on a lot of transmission and distribution lines.

## **Types of composite insulator made in China:**

Silicone rubber composite insulator

Epoxy resin composite insulator

Silicone rubber covered ceramic insulator

Polymeric HDPE insulator

## **Silicone rubber insulator improvement:**

Shed and housing material is HTV silicone rubber

Injection or compression molding vulcanization

ECR reinforced fiber glass rod (some factories are still use non-ECR rod)

Now composite insulator made in China ranks higher quality in the world, and mainly exported.