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Chapter 4

Composite Insulator Manufacturing Process

4.4 End Fitting Casting Process

By Orient Power

End Fitting Casting Process



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End fitting for composite insulator transfers the mechanical strength and also provide a coupling way of connect the insulator to other electrical fittings when set up a power line or station.

Some manufacturing process for end fittings:

- Casting
- Forging
- Lathing of round steel

What is casting process?

Casting is to put the melting metal into the mould, after cooling and solidification, it will become a predetermined shape and size of metal with certain performance.

What kind of end fitting suitable for casting process?

- Big size end fitting
- Complicated shape end fitting

Two types of casting way of composite insulator:

- Sand mold casting
- Lost wax casting

Some of end fitting of casting process of composite insulator is lost wax casting, since the quality is better than sand mold and with high precision.

More information about forging process can be found in the next section of orient power pdf listing.