Graphite Crucible

A crucible is a container used to hold metal for melting in a furnace and it is needed to withstand the extreme temperatures encountered in melting metals. The crucible material must have a much higher melting point than that of the metal being melted and it must have good strength even when white hot.

Graphite crucible can withstand the high temperature, and has good resistance to chemical erosions and thermal shock. Especially graphite crucible is ideal for the melting of aluminum, copper and other metals.

Crucible has the advantages of high purity, high temperature resistance, with big size ,good thermal insulation, economization on energy ,quality stability etc.

Application field

- Metallurgy
- Melting gold, platinum, silver, copper and other metals and jewelry casting
- Non-ferrous metals smelting, carbide feed generator carburization quenching

Products properties

- High mechanical strength
- High temperature resistance
- Good sliding properties
- High thermal stability
- High thermal shock resistance
- Low wettability
- High corrosion resistance
- High thermal conductivity
- Good electrical conductivity
- Oxidation resistance
- Chemical resistance

Materials:

1. High density Graphite
2. Clay graphite
3. Silicon carbide graphite