

Graphite

- easy to use in multiple applications & excellent chemical resistance

Introduction

Graphite crucibles are rib formed clay-graphite crucibles characterised by high refractoriness and good thermal conductivity as well as very good thermal shock resistance and chemical resistance against fluxes.

In order to meet the specific requirements of induction furnaces, Morgan Molten Metal Systems has developed a specialised range of clay-graphite crucibles with a specific modified electrical resistivity. This optimises the coupling power of the crucible and avoids the risk of overheating.

Applications

Graphite crucibles are suitable for all furnace systems for non-ferrous metal alloys, cast iron and precious metals.



Typical Operating Temperature

Metal casting temperature between 400°C and 1400°C (752°F - 2552°F)

Performance Characteristics

- High refractoriness
- Good thermal conductivity
- Good resistance to chemical erosion
- Good thermal shock resistance
- High mechanical strength
- Good oxidation resistance

Identification

Graphite crucibles are coloured black and utilize the suffix G to denote the type.

Pattern Range

Graphite crucibles are available in a range of shapes and sizes to suit most end user requirements. Sizes can be made available with pyrometer holes to facilitate measurement of metal temperature. A wide range of pouring lips and spouts is available.

Quality

Graphite crucibles are manufactured from premium grade raw materials under an ISO 9001:2015 quality management system.

For more information, contact us today.