

Starrbide

high chemical resistance over larger temperature range

Introduction

Starrbide crucibles are carbon-bonded silicon carbide crucibles, which are characterised by excellent thermal conductivity and high chemical erosion resistance. Due to their carbon content, SiC crucibles have excellent stability at high temperatures and are therefore particularly suitable for processes where the temperature is changing frequently and where high heating rates are utilized.

Applications

Starrbide crucibles can be used for the holding of all non-ferrous alloys. They are suitable for melting heavy metal alloys and are resistant to chemical attack by fluxes. Starrbide crucibles are suitable for electric resistance heated and fuel fired and induction furnaces.

Starrbide HT / VO crucibles are particularly appropriate for melting copper and bronze alloys in furnaces with high power and high heating rates.

Starrbide U IND crucibles are suitable for medium frequency induction furnaces for melting and holding. They perform well under difficult operating conditions.

Typical Metal Casting Temperature

Starrbide HT / VO: 800°C - 1400°C (1472°F - 2552°F)

Starrbide U / U IND: 700°C - 1000°C (1292°F - 1832°F)

Performance Characteristics

- Outstanding thermal shock resistance
- Very good thermal conductivity
- Good resistance to chemical erosion
- Good thermal shock resistance
- High mechanical strength
- High oxidation resistance

Identification

Starrbide crucibles are coloured black and utilize the suffix C to denote the type.

Pattern Range

Starrbide crucibles are available in a wide range of sizes and shapes. 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

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

For more information, contact us today.

