

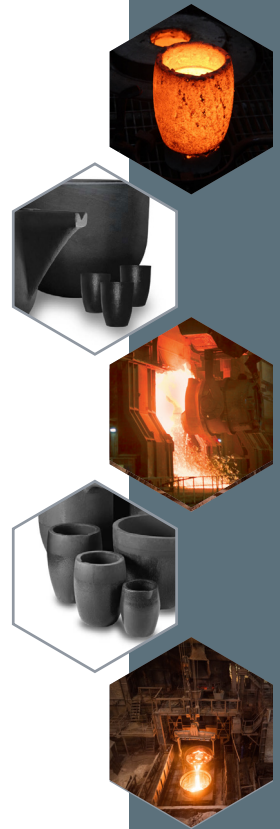
Three Types of Crucibles...

Offering top quality products from premium suppliers, Asbury's one-stop-shop for foundry products makes it easy to bundle everything you need for fast, reliable delivery and reduced shipping costs.

Our high-quality metal carbon and non-carbon crucibles for electric resistance, induction and gas-fired furnace offer maximum alloy flexibility and low-metal cost, reducing your downtime, as well as maintenance and capital costs.

Supplied by Asbury Wilkinson, Ontario, Canada:

- Alumina/chrome/magnesia
- Clay graphite
- Silicon carbide
- Pure graphite



Silicon Carbide - Starrbide



Starrbide is high chemical resistance over large temperature range. 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.

METAL CASTING TEMP:

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

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

APPLICATIONS

- Syncarb UL & ISO SiC R offers superior performance for aggressive erosive conditions with heavy flux usage in both copper based alloys and precious metal reclamation. The product is designed for use in gas, oil and low to medium frequency 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.

BENEFITS:

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

Silicon Carbide - Syncarb



Syncarb is high erosion resistance over large temperature range. Syncarb UL & ISO SiC R is a premium quality carbon bonded silicon carbide crucible manufactured by high pressure iso-static pressing. Providing a superior grade product for the most arduous service conditions. ISO SiC R is a modified version, which offers a better resistance against heavy flux usage.

METAL CASTING TEMP:

between 1000°C and 1400°C (1832°F and 2552°F)

APPLICATIONS

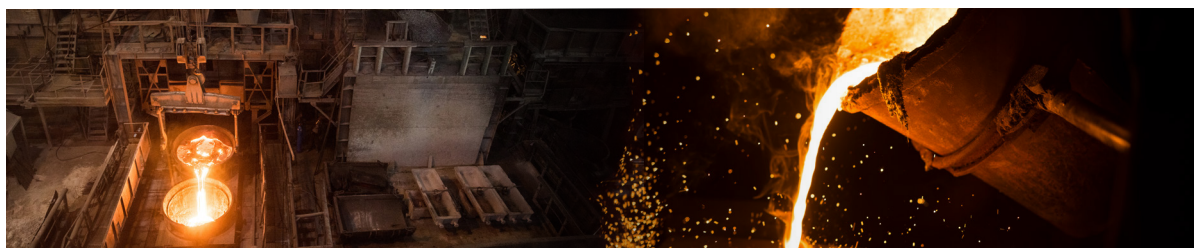
• Syncarb UL & ISO SiC R offers superior performance for aggressive erosive conditions with heavy flux usage in both copper based alloys and precious metal reclamation. The product is designed for use in gas, oil and low to medium frequency induction furnaces.

BENEFITS:

- Superior erosion resistance
- High resistance to chemical erosion
- Excellent thermal shock resistance
- High mechanical strength
- High consistent density
- Fast melting speed

SIZES:

Available in a range of shapes and sizes to suit most end user requirements. Sizes can be made available with pyrometer pocket to facilitate measurement. Heavy wall (HW) versions can be supplied and a wide range of pouring lips and spouts is available.



Clay Graphite Crucibles



Clay Graphite is easy to use in multiple applications & excellent chemical resistance. 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.

METAL CASTING TEMP:

between 1000°C and 1400°C (1832°F and 2552°F)

APPLICATIONS

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

BENEFITS:

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

SIZES:

• 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.

