

Z2 SYNCARB Crucibles

DESCRIPTION

Z2 Syncarb is a premium quality crucible manufactured by iso-static pressing that allows for very good chemical resistance against fluxes, excellent thermal conductivity and high levels of oxidation resistance.



Z2 Syncarb crucibles are high pressure, isostatically pressed CLAY-GRAPHITE crucibles. MorganMMS uses a proprietary processing technology that results in a product with a very homogenous and high density structure. The clay-bonded Z2 Syncarb crucible provides very good chemical resistance against fluxes and excellent thermal conductivity. The inherent high mechanical strength allows the production of much larger crucibles. Other properties include outstanding oxidation resistance, high refractoriness and good thermal shock resistance.

Z2 Syncarb crucibles are especially suitable for use in zinc distillation applications as well as for melting and holding of copper and copper alloys and induction furnace applications.

APPLICATIONS

Z2 Syncarb is designed to perform exceptionally well to melt and hold copper and copper alloys in induction furnaces as well as in zinc distillation applications. Z2 Syncarb can also be used in some precious metal melting applications especially in Globar furnaces.

TYPICAL METAL CASTING TEMPERATURE

- Metal casting temperature between 1000°C and 1400°C (1832°F and 2552°F)

PERFORMANCE CHARACTERISTICS

- Very good thermal conductivity and oxidation resistance.
- Very good resistance to chemical attack.
- High mechanical strength and good erosion resistance.
- Good thermal shock resistance.
- High refractoriness.

IDENTIFICATION

Z2 Syncarb crucibles are finished in a black color.

PATTERN RANGE

Z2 Syncarb crucibles are available in a range of shapes and sizes to suit most end user requirements. Certain sizes can be made available with pyrometer pocket to facilitate measurement of metal temperature. A wide range of pouring lips are available.

QUALITY

Z2 Syncarb crucibles are manufactured from premium grade raw materials under an ISO 9001:2000 quality management system.



MorganMMS is a business within the MEM Division of The Morgan Crucible Company plc.

