

# Ultramelt & ISO SiC R

- high erosion resistance over large temperature range

## Introduction

Ultramelt & ISO SiC R is a premium quality carbon bonded silicon carbide crucible manufactured by high pressure iso-static pressing.

Ultramelt & ISO SiC R incorporates Morgan Molten Metal Systems advanced bonding technology and is the culmination of an intensive development program aimed to provide 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.

## Applications

Ultramelt & 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.

## Typical Operating Temperature

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

## Performance Characteristics

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

## Identification

Ultramelt & ISO SiC R crucibles are finished in a black painting.

## Pattern Range

Ultramelt & ISO SiC R crucibles are 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 of metal temperature. Heavy wall (HW) versions can be supplied and a wide range of pouring lips and spouts is available.

## Quality

Ultramelt & ISO SiC R crucibles are manufactured from premium grade raw materials under an ISO 9001:2015 quality management system.

For more information, contact us today.

