

Syncarb FL

-low melting times & resistant against heavy flux usage

Introduction

Syncarb FL is a premium quality, hybrid ceramic bonded clay graphite crucible with a high silicon carbide content, that is manufactured through an advanced iso-static pressing process. Syncarb FL is a modified version of Syncarb Z2, which is resistant against heavy flux usage in aluminium applications.

Morgan Molten Metal Systems uses a proprietary processing technology that results in a product with a very homogenous and high density structure. This allows the crucible to obtain superior thermal conductivity over its entire operating temperature range, high mechanical strength and erosion resistance along with good thermal shock resistance.

Applications

Syncarb FL crucibles are designed to perform exceptionally well to melt and hold copper and copper alloys in induction and fuel fired furnaces as well as in zinc distillation, precious metal melting and aluminium melting applications.

Typical Metal Casting Temperature

800°C - 1250°C (1472°F - 2282°F)

Performance Characteristics

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

Identification

Syncarb FL crucibles are finished with a grey Low Temperature Protection (LTP) coating.

Pattern Range

Syncarb FL 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. A wide range of pouring lips and spouts is available.

Quality

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

For more information, contact us today.

