

Iso-Alustar E50

-isostatically pressed induction crucible

Introduction

Iso-Alustar E50 is a premium quality, hybrid ceramic bonded clay graphite crucible with a high aluminium silicate and graphite content that is manufactured through an advanced iso-static pressing process.

Iso-Alustar E50 is manufactured to provide controlled graphite alignment and optimised electrical properties to suit specific frequency ranges for induction melting applications.

Applications

Iso-Alustar E50 crucibles are used to provide consistent performance in medium frequency induction furnaces. Iso-Alustar E50 crucibles are designed for furnaces operating in the frequency range from 1kHz and upwards with most installations typically operating between 1kHz and 3kHz. Iso-Alustar E50 crucibles are typically used to melt copper alloys and precious metals as well as aluminium.

Typical Metal Casting Temperature

700°C - 1400°C (1292°F - 2552°F)

Performance Characteristics

- Controlled electrical resistivity
- Very good oxidation resistance
- Good thermal conductivity
- Very good resistance to chemical attack
- Good thermal shock resistance

Identification

Iso-Alustar E50 crucibles are finished with a black colour.

Pattern Range

Iso-Alustar E50 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

Iso-Alustar E50 crucibles are manufactured from premium grade raw materials under an ISO 9001:2008 quality management system.



For more information, contact us today.

Temperature Overview

-Iso - Alustar E50

Metal Casting Temperature

