

STAR Coating

-lower impurities in molten metal & lower dross adhesion

Prime Features

- Excellent non-wettability leading to low dross adhesion
- Low impurity leak into melt (Table 1)
- Low coating thickness (Fig 2)
- Low porosity, high density coat due to nano-scaled ingredients

Applications

- High purity aluminium metal (99.999%)
- Aluminium alloys
- Precious metal melting

Usage Instructions

- All types of crucibles
- All types of furnaces
- Installation and pre-heating procedures of coated crucibles remain unchanged

Physical & Technical Properties

- Colour: White
- Max. application temperature: 1000°



Fig. 1: STAR coated crucible

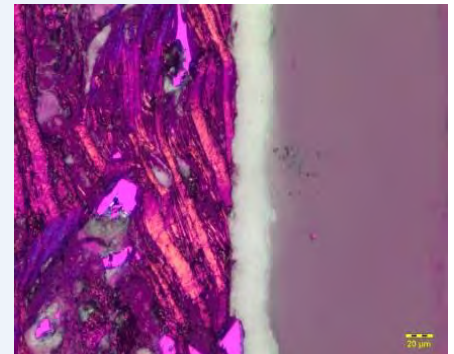


Fig. 2: STAR Coating under the microscope

Table 1

Amount of impurity elements in aluminium metal 99.999% before and after melting at 710°C for 48h using STAR coated crucibles

Impurity Element	Before Melting	After Melting
Silicon (ppm)	0.8	4.4
Boron (ppm)	0.09	0.24

Quality

STAR Coating coated crucibles are manufactured from premium grade raw materials under an ISO 9001:2008 quality management system.

For more information, contact us today.

Please note that all values quoted are based on laboratory tests and may not reflect actual results. These values are not guaranteed in anyway whatsoever and should only be treated as indicative and for guidance only. Please consult your local provider for a personalised recommendation according to your custom application. 04.2014