

Anderman Ceramics NEW Refractory Material – Advanced Application Technology

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Fused Sillimanite – AS6

Anderman Industrial Ceramics is pleased to announce the addition of a new material to its extensive product range. The material grade AS6 is a high performance sillimanite refractory for use in a range of industrial application but specifically in the melting and transfer during super alloy component production in the aerospace and power generation industries. The material is also suitable for applications with specialist steel manufacture.

Material Specification

AS6 is a fused sillimanite refractory body comprising of 56% alumina (Al_2O_3) and 40% silica (SiO_2). The refractory product has a bulk density of 2.28 g/cm³ with typical porosity of 20%.

Full product data sheets for chemical analysis are available on request or on http://www.earthwaterfire.com/technical_ceramics_technical.htm.

Applications

AS6 is manufactured by a specialist and proprietary production process resulting in smooth surface finish and consistent grain structure. These properties combined with its high alumina content enable the material to operate in conditions of high temperature up to 1650oC.

A good surface finish and the ability to operate at high temperature make this material particularly suitable in the field of molten metal transfer and handling where good thermal shock is required combined with minimal flow and abrasion resistance against the metal during transfer. Typical products include tundishes, distribution boxes and launder systems.

Anderman Industrial ceramics also offers a wide range of crucibles for molten metal handling.

Other applications for this material have included crucibles and sample test holders.

Product Capacity

Our in house Product Design and Mould manufacturing facilities allows for fast track prototype production for simple and complex shapes to meet customer requirements for product evaluation.

Our manufacturing facilities are large, modern and flexible giving us the ability to meet both small and large volume production runs with lead times as required by our customers, whilst ensuring quality is achieved and maintained.

The production facilities meet all modern requirements for international quality standards including ISO 9001.

AS6 joins our current range of both Ceramic and refractory materials enabling us to offer the most appropriate solution to the customers.

Our design and development team are currently working on a range of materials that will offer improved

performance in many additional applications. These will be launched over the coming months to enhance our capabilities further.

Always presenting solutions to your problems!

Established in 1947 and its experience in sourcing, stocking and selling technical ceramics worldwide has positioned Anderman Ceramics at the highest levels of product and service quality. We offer an extensive range of standard technical ceramics products, as well as, custom- design components.

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