



TECHNICAL DATA SHEET

ZIRCOTECH 300M

APPEARANCE Off white odourless powder

PRODUCT PROFILE

A zirconium silicate flour (nominally 300's mesh) manufactured from previously controlled calcined sand.

APPLICATIONS

This product combines the benefits of controlled calcination and particle size, together with admirable chemical purity and refractory properties, which is ideally suited to investment castings. Zircosil 300M is fully compatible with both silica sol and ethyl silicate based binder systems and is often used where an high viscosity primary slurry is required. Resultant ceramic mouldings manufactured from this product impart excellent surface finishes to castings.

TYPICAL CHEMICAL PROPERTIES

Composition - 32.5% SiO₂
64% ZrO₂ + HfO₂
0.4% Al₂O₃ 0.07%
Fe₂O₃
0.15% TiO₂

TYPICAL PHYSICAL PROPERTIES

Specific Gravity - 4.60 g/cm³

Bulk Density - 1.5 g/cm⁻³