

# TDS OF ZIRCON SAND

## BRIEF INTRODUCTION

Zircon sand is commonly used in the manufacture of refractory materials (called zirconium refractory materials, such as zirconium corundum bricks, zirconium refractory fibers), sand for casting in the foundry industry, ceramics and enamel manufacturing, and also used in glass, metal (zirconium sponge) And the production of zirconium compounds (zirconium dioxide, zirconium oxychloride, sodium zirconate, potassium fluozirconate, zirconium sulfate, etc.).

## TECHNICAL DATA

ZrO <sub>2</sub> +HfO <sub>2</sub>	66% MIN
SiO <sub>2</sub>	34% MAX
AL <sub>2</sub> O <sub>3</sub>	1.0% MAX
TiO <sub>2</sub>	0.15% MAX
Fe <sub>2</sub> O <sub>3</sub>	0.08% MAX
Moisture	0.01-0.1%
Specific Gravity	4.4-4.8g/cm <sup>3</sup>
Melting point	2200-2500 °C
Moh's hardness	7.5-8.0

## TYPICAL SIZE

ZIRCON SAND-60/100mesh 80/120mesh 100/200mesh  
ZIRCON POWDER-200F 320F (45μm)

## TYPICAL PACKAGE

25KG BAG+1-1.35TON JUMBO BAG  
1-1.35TON JUMBO BAG

## TYPICAL APPLICATION

Refractory material.  
Zirconia Ceramic parts.  
Pigment in paint,comestic,et.  
X-ray absorber in glass industry.  
Raw material of zircons hot blasting sand.  
Foundry sand for precise casting, investment casting,foundry coating.

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