



Zircon Sand

Zircon compounds have very low toxicity and low environmental pollution. Zircon's exceptional qualities of hardness and durability make it a must-use for the manufacture of ceramics and refractory tiles and also for a range of other high-tech applications. Nextgen Advanced Materials supplies Zircon Sand with high quality and fast delivery, and customized products are

also available.

Product Description

As the professional manufacture, we would like to provide you high quality Nextgen Zircon Sand. The high standards we have established since our inception and maintained to date have earned us a solid reputation and helped us to attract a large number of new customers and talents. Zircon sand, this glassy mineral has found its place in many industrial applications worldwide, starting from ceramics and refractory tiles to a range of high-tech applications. Zircon compounds have very low toxicity and are not perceived as a potential environmental hazard. They are even said to have some medicinal properties and are now increasingly preferred in the manufacture of food products and pharmaceuticals too.

Zircon's exceptional qualities of hardness and durability make it a must-use for the manufacture of ceramics and refractory tiles and also for a range of other high-tech applications such as armor plating on military aircraft, heat shield in space shuttles, and potentially as solid oxide fuel cells in hydrogen-powered vehicles in many industrial and chemical applications.



Zircon Sand Specifications

Physical Data	
Specific Gravity	4.5 – 4.7
Bulk Density	2.8 Kg/Ltr.
Angle of Repose	28 – 32 deg
Hardness (Moh's)	7.5
Specific Activity (calculated) U + Th	3.75 Bq/g
Purity	98% min

Zircon Sand Typical Chemical Composition

Content	Value wt%
ZrO ₂ +HfO ₂	66.1-66.9
Fe ₂ O ₃	0.04-0.07
TiO ₂	0.12-0.15
SiO ₂	32.3-32.7
Al ₂ O ₃	0.35-0.60
P	0.04-0.05
U	220-260ppm
Th	140-220ppm
Free Silica as Quartz	<0.05