

ZIRCON

Product Data Sheet

Chemical Composition (Typical – Wt%)

	Min	Max
ZrO ₂ (+HfO ₂)	66 %	66,59 %
SiO ₂	31%	33 %
Al ₂ O ₃	0.64%	1 %
Fe ₂ O ₃	0.05 %	0.086%
TiO ₂	0.09 %	0,1%

Sieve Analysis

MM	Mesh	Wt%
0.297	50	0~5
0.249	60	10~15
0.178	80	20~40
0.150	100	20~40
0.125	120	5~10
	Pan	0~5

Technical Safety Data

Melting point	: 21500 C
Bulk Density	: 2,800 – 3,000 Kg/m ³
Specific gravity	: 4.6 – 4.7
Hardness	: 7.5 (Moh's)
Flammability	: N/A
Solubility in water	: Insoluble
Boiling point	: N/A
Colour	: Off white to Brownish
Flashpoint	: N/A

Physical Composition

Zircon	> 98,9 %
Rutile	0.1% Max
Ilmenite	0,8% Max
Others	0,2 % Max

Zircon being a natural product, its chemical analysis is expected to vary. Variations in the size of grains occur from time to time. Although not guaranteed, the grain size distributions can be expected to be within the above ranges.

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