

-  Consistent supply
-  Superior Quality
-  Customer Focus
-  Technical Expertise
-  Environment Friendly

TOKALEV Minerals

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Heavy mineral resources for industrial applications



Zircon Sand

CAS No. : 14940-68-2

Formula : Zr [SiO4]

General Description : Zircon Sand or Zircon Silicate is a rational material for steelmaking, refractories, glassmaking, traditional ceramics, zirconia manufacture, zirconium manufacture, glass additive and foundry uses.

KEY PARAMETERS

- Light pink free running sand
- Grain shape: rolled, elongated
- Grain color: pink, purple, red-brownish

RECOMMENDED APPLICATION

- steelmaking; refractories
- glassmaking
- traditional ceramics
- glass additive and foundry

Chemical analysis

Elements	Contents (%)
ZrO ₂ +HfO ₂ , %, min	65.0
TiO ₂ , %, max	0.4
Al ₂ O ₃ , %, max	2.0
SiO ₂ , %, max	32.0
Fe ₂ O ₃ , %	0.08
P ₂ O ₅ , %	0.12
Aef, kBq/kg	< 4

Sieve Analysis

Sieve Size (Microns)	Cumulative Retained (%)
+200	0.1
+160	1.0
+100	25.0
+63	99.0

Physical description and properties

Zircon, % min :	98.0 - 99.0
Melting point , °C :	~2200
Specific gravity, kg/m ³ :	4650 - 4750
Bulk density, kg/m ³ :	2650 - 2740
Grain size, mkm	63 -160