

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

# TOKALEV Minerals

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Heavy mineral resources for industrial applications



### Zircon Flour

**CAS No. : 14940-68-2**

**Formula : Zr [SiO4]**

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

#### **KEY PARAMETERS**

- Light grey odorless powder

#### **RECOMMENDED APPLICATION**

- steelmaking; refractories
- glassmaking, welding rod coating
- traditional ceramics, frit, enamel
- glass additive and foundry

#### **Chemical analysis**

Elements	Contents (%)
ZrO <sub>2</sub> +HfO <sub>2</sub> , %, min	65.0 - 66.0
TiO <sub>2</sub> , %, max	0.2
Al <sub>2</sub> O <sub>3</sub> , %, max	1.0
SiO <sub>2</sub> , %, max	32.0
Fe <sub>2</sub> O <sub>3</sub> , %	0.08
P <sub>2</sub> O <sub>5</sub> , %	0.12
Aef, kBq/kg	< 3

#### **Sieve Analysis**

Sieve Size (Microns)	Cumulative Retained (%)
+63	3.0 max
+45	2.0 max
+40	10.0 max
+30	6.0 max
+25	25.0 max
+20	10.0 max
+10	60.0 max
+5	40.0 max

#### **Physical description and properties**

Zircon, % min :	98.0 - 99.0
Melting point , °C :	~2200
Specific gravity, kg/m <sup>3</sup> :	4500 - 4650
Bulk density, kg/m <sup>3</sup> :	2480
Grain size, mkm	40 - 60