

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

TOKALEV Minerals

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Heavy mineral resources for industrial applications



Ilmenite 65%



CAS No. : 98072-94-7

Formula : Fe₂O₃ * TiO₂

General Description : Ilmenite is a grainy material of natural size. It is usually a black free running sand. Grain shape is generally impressed spherical. Grain colour varies from light brown to upto black.

Chemical analysis

Elements	Contents (%)
TiO ₂	63.0 - 66.0
Al ₂ O ₃	1.2 - 1.5
Cr ₂ O ₃	0 - 0.06
FeO	2.8 - 3.2
Fe ₂ O ₃	22.4 - 29.0
SiO ₂	1.1 - 1.5
Moisture	0.3 - 0.5

Sieve Analysis

Sieve Aperture (Microns)	Cumulative Retained (%)
212	Traces
150	10
106	64
75	99
-75	100

Physical description and properties

Ilmenite % min :	94.5 - 96.0
Melting point , °C :	1365
Specific gravity, kg/m ³ :	4120 - 4170
Bulk density, kg/m ³ :	2130 - 2240
Flammable :	Non flammable
Solubility in water :	Insoluble
Angle of friction :	32 °
Hardness :	5 - 6 mohs