

Ilmenite

PRODUCT DESCRIPTION

The product **Ilmenite CL** is a rational material for the production **by chloride method** of pigment titanium dioxide, which is used in paints, plastics, paper, pharmaceuticals. Also, Ilmenite is used for production synthetic rutile, welding electrodes, titanium sponge, metal titanium and in steelmaking furnaces.

KEY PARAMETRES

- Usually black, free running sand
- Grain shape : impressed spherical
- Grain color : from light brown up to black
- CAS Number : 1317-80-2
- Formula : $Fe_2O_3 \cdot TiO_2$

RECOMMENDED APPLICATION

- pigment titanium dioxide
- synthetic rutile
- welding electrodes
- titanium sponge, metal titanium and in steelmaking furnaces

TYPICAL PRODUCT CHARACTERISTICS

Chemical analysis

	Standard
TiO ₂ , %, min	63
Al ₂ O ₃ , %, max	3
SiO ₂ , %, max	2
Cr ₂ O ₃ , %, max	None
Moisture, %, max	0,5

Physical description and properties

Ilmenite, %	90-96
Melting point, °C	~1365
Specific Gravity, kg/m ³	4120 - 4170
Bulk density, kg/m ³	2130 - 2240
Grain size, mkm	63 -160

Sieve Aperture (microns)

Cumulative retained, %

+ 212	Traces
+ 150	10
+ 106	64
+ 75	99
- 75	100

PACKAGING AND SHIPPING

50 kg bags; Soft containers (big bag) 1 t net.

Products can be shipped typically from our warehouse.

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