

## Rutile Sand

### PRODUCT DESCRIPTION

The product **Rutile** is a rational material for the manufacturing titanium oxide pigments, manufacturing refractory ceramics, production of titanium metal and welding electrodes.

### KEY PARAMETRES

- Dark brown to black dry free running sand
- Grain shape: elongated, rolled
- Grain color: red (different tints), brown, black
- CAS number: 1317-80-2
- Formula:  $TiO_2$

### RECOMMENDED APLICATION

- pigment titanium dioxide
- welding electrodes
- titanium sponge
- metal titanium

### TYPICAL PRODUCT CHARACTERISTICS

Chemical analysis	Standard
$TiO_2$ , %, min	95
$Al_2O_3$ , %, max	0,6
$Fe_2O_3$ , %, max	2,8
$SiO_2$ , %, max	1,5
$ZrO_2$ , %, max	1,0
Moisture, %, max	0,5
Physical description and properties	
Rutile, %	92-97
Melting point, °C	~1850
Specific Gravity, $kg/m^3$	4150 - 4300
Bulk density, $kg/m^3$	2300 - 2400
Grain size, mkm	63 -160
Sieve Aperture (microns)	Cumulative retained, %
+ 180	1
+ 150	4
+ 125	14
+ 106	46
+ 75	98
- 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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