



DK - ILMENITE

50% TiO2 Grade

Chemical Composition (Typical)	
Name of Chemical	%
Al2O3	4.59
SiO ₂	7.13
Tfe	21.40
CaO	0.10
MgO	0.20
K2O	0.03
Na2O	0.10
TiO2	50.83
ZrO2	1.52
B2O3	0.38
BaO	0.01
SnO2	0.08
PbO	0.04
ZnO	0.04
MnO	2.54
CdO	<0.01
P2O5	0.28
SO3	0.02
Cr2O3	0.03

Mineralogical Analysis	
Minerals	%
Ilmenite	97.00
Other Heavy Minerals	2.70
Quartz	0.30

Sieve Analysis Report		
Mesh	MM	%
20	0.850	0.1
30	0.600	0.4
40	0.425	2.7
50	0.300	12.0
60	0.250	22.1
70	0.212	21.2
80	0.180	13.5
100	0.150	6.5
120	0.125	14.2
140	0.106	0.9

Physical Description/Properties	
Appearance	Normally Odourless, Opaque
Melting Point/Boiling Point	Not Applicable
Vapour Pressure	Not Applicable
Specific Gravity	4.72
Flash Point	Not Applicable
Flammability Limits	Not Applicable
Solubility in Water	Negligible

Other Properties	
Group	Oxides
Compositon	FeTiO3
Hardness	5-6
Radioac vity	Not detectable above background
PH	Neutral
Bulk Density	2.0
Cleavage	None
Fracture	Conchoidal to uneven

Applications / Uses

- 1. Manufacturing of TiO2 powder
- 2. Synthetic Rutile sand and Ti Slag

