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**ILMENITE**

TRADE NAME

DESCRIPTION

FUNCTION

CHEMICAL ANALYSIS

TECHNICAL DATA

SIEVING RANGE

**ILMENITE**

 Ilmenite is a Titanium-iron oxide mineral with the formula FeTiO<sub>3</sub>.

Ilmenite is an important feedstock to the pigment and Titanium metal industries.

TiO <sub>2</sub>	50.50%
FeO	34.04%
Fe <sub>2</sub> O <sub>3</sub>	12.43%
Al <sub>2</sub> O <sub>3</sub>	0.45%
SiO <sub>2</sub>	0.71%
Cr <sub>2</sub> O <sub>3</sub>	0.048%
MnO	0.51%
P <sub>2</sub> O <sub>5</sub>	0.022%
V <sub>2</sub> O <sub>5</sub>	0.23%
CaO	0.04%
MgO	0.64%
Moisture	3.0% Max
Th	43 ppm
U	<6 ppm

Hardness	5.5 – 6.0 MOHS
Specific weight	4.54
Bulk weight	2600 – 2850 Kg/m <sup>3</sup>
Particle shape	Granular
Storage	Dry, sheltered conditions
Packaging	1 Ton Bulk bags

CODE	SIZE RANGE (micron)	PROFILE RANGE (micron)
STD	75 - 425	N.A