



## Product Data Sheet

# ILMENITE FLOUR 200 MESH

## Average technical data

### Description

Ilmenite Flour 200 Mesh is a natural titanium oxide/iron oxide mineral milled to a heavy dark brown to black powder. Suitable for use as an additive to ceramic glazes and as a heavy dark filler in other products where required.

### Particle Size

Microns  
75

Passing  
98%

### Chemical Composition

TiO <sub>2</sub>	48.0-50.0%
FeO	22.0-25.0%
Fe <sub>2</sub> O <sub>3</sub>	17.0-19.0%
Cr <sub>2</sub> O <sub>3</sub>	2.0% max
MnO <sub>2</sub>	1.0% max
Al <sub>2</sub> O <sub>3</sub>	3.0% max
SiO <sub>2</sub>	0.5% max
Ilmenite FeO.TiO <sub>2</sub>	98% max
Chromite Fe Cr <sub>2</sub> O <sub>4</sub>	1% max
Rutile TiO <sub>2</sub>	1% max

### Physical Properties

Colour	Dark Brown/Black Powder
Luster	Metallic
S.G.	4.2 - 4.5
Hardness	5-6

*This average technical information is the result of extensive research and testing by the producers and others and is given in good faith and in the belief that it is accurate. However no guarantee of accuracy is made nor can we anticipate every possible application or variation in manufacturing technology or usage. Therefore the product is sold without warranty, express or implied and on the condition that purchasers determine the suitability of the product for their particular purpose by conducting their own tests. No liability can be accepted for the infringement of any patents.*

## **USES**

### **Coatings**

Industrial Coatings  
Corrosion Resistant Coatings  
Sound Dampening Coatings  
Protective Coatings

### **Pigments**

TiO<sub>2</sub> Feedstock  
Special Effects

### **Plastics**

Special Effects Pigment

### **Foundry & Refractory**

Furnace Lining Flux (steel industry)

### **Ceramics**

Glazes

### **Abrasion & Friction**

Sand Blasting  
Abrasion Media

### **Welding**

Electrode Coating

### **Metals**

Titanium

## **BENEFITS**

Fire Resistant  
Metallic Luster  
Inert  
Corrosion resistance  
Chemical resistance  
Resists mould and mildew  
Opacifier  
High Hardness  
Abrasion resistance  
Sound Dampening  
High Particle Strength  
Low water absorption  
Low shrinkage  
Improved impact resistance  
Improved durability  
Magnetic Properties

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