



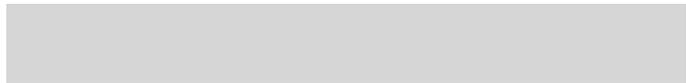
Product Data Sheet

ILMENITE FLOUR 200 MESH

Average technical data

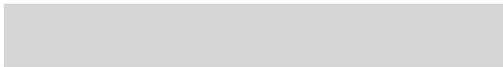
Description

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.



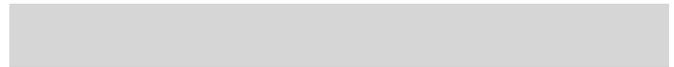
Particle Size

| | |
|---------|---------|
| Microns | Passing |
| 75 | 98% |



Chemical Composition

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

TiO₂ 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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