Mayfield Kaolin

Product Description

Mayfield Kaolin is a Clay Mineral, formed by the chemical weathering of aluminium silicate minerals such as feldspar and belongs to the phyllosilicate (or layered silicate group of minerals) The native ore occcures in the Eastern Cape Province of South Africa. The ore is mined in surface operations. The mined product is supplied in a raw form, or beneficiated by milling and/or drying. Mayfield Clay mills to and off-white, high alumina -content end product.

Product Industries

Mayfield Clay is used in applications such as: ceramics, pottery slips, fillers for soap manufacture ,inert carriers and functional fillers in paint, coatings and mastics.

Typical Physical Analysis

Particle Sizing *	Raw Lumps and Fines (under 300mm)
Oil Absorption	28% (Linseed Oil)
Specific Gravity	2.5 (Helium Displacement)
Hardness	2 (Mohs)
Reflectance (fired)	72 (Opacity Reflectometer)
Vitrification Point	> 900 Degrees Celcius
Bulk Density	Lumps: 1400 g/l
Free Moisture (a	5.0 - 9%
Stability	Indefinite shelf life

Packaging	Loose Bulk in Tipper Trucks
	Milled: 25kg and 1000kg bulk bags

* Quality controlled by means of wet sieve analysis

Typical Chemical Analysis

SiO_2	68.51%
Al_2O_3	20.37%
K_2O	2.98%
TiO_2	0.84%
MgO	<0.3%
Na_2O	<0.1%
Fe_2O_3	0.54%
MnO	0.02%
CaO	<0.06%
V2O5	<0.23%
Other	± 0.12%
Loss on Ignition (LOI)	5.93%

Datasheet Revision

Compiler Name	Bernard Potgieter
Compiler Position	Chief Operating Officer
Specification Owner	Technical Services
Revision Date	01 October 2018
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Approval Signature	

Disclaimer

All information herein contained is typical, accurate and factual to the best of our knowledge. We continuously employ various quality control procedures to maintain these quality levels on all of our products. However, no warrantee is suggested or implied in respect of any recommendations, advice or suggestions made by our representatives, or any other person or persons associated to us, as the conditions, production, process and methods of use of our products may vary from time to time.

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