



KUNAL EXIM

PRODUCT DATA SHEET

Product Name: Feldspar

Feldspar is the name given to a group of minerals distinguished by the presence of alumina and silica (SiO_2) in their chemistry. This group includes aluminum silicates of soda, potassium, or lime. It is the single most abundant mineral group on Earth. They account for an estimated 60% of exposed rocks, as well as soils, clays, and other unconsolidated sediments, and are principal components in rock classification schemes. The minerals included in this group are the orthoclase, microcline and plagioclase feldspars.

FELDSPAR POWDER CAN BE DEFINE IN TWO WAYS:

(1) Potas (2) Soda

POTAS

IT CAN BE VERIED IN 3 GRADES

- Feldspar 3rd powder (katti) ,body grade material which has no merge chemical in it and is used in flour tiles.
- Feldspar 3rd powder (super katti) is a body grade material which has nearly 7% alk and value of 45+ and is used in double charge tiles.
- Feldspar 3rd powder (gvt grade 601 value) it is used in gvt tiles and as body grade material in vitrified tiles.

- **APPLICATION:**

Feldspar is used to make dinnerware and bathroom and building tiles. In ceramics and glass production, feldspar is used as a flux. A flux is a material that lowers the melting temperature of another material in this case Glass.

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• **FELDSPAR POWDER GVT & KATI ANALYSIS REPORT:**

RESULTS OF POWDER ANALYSIS GVT

PARAMETERS	VALUE
SiO ₂	72.825 %
Al ₂ O ₃	15.005 %
Fe ₂ O ₃	00.097 %
CaO	01.885 %
MgO	00.140 %
LOI	00.635 %
Na ₂ O	04.015 %
K ₂ O	05.025 %
FIRED SHRINKAGE	13.550 %
WHITENESS	32.100 % AT 1220*C
L VALUE	62.500 %
A VALUE	+ 01.000 %
B VALUE	+ 05.900 %

RESULTS OF POWDER ANALYSIS GVT

PARAMETERS	VALUE
SiO ₂	69.145 %
Al ₂ O ₃	14.825 %
Fe ₂ O ₃	00.485 %
CaO	03.895 %
MgO	00.825 %
LOI	01.395 %
Na ₂ O	04.285 %
K ₂ O	04.930 %
FIRED SHRINKAGE	13.320 %
WHITENESS	19.500 % AT 1220*C
L VALUE	52.000 %
A VALUE	+ 02.700 %
B VALUE	+ 06.700 %

• **Product Item Code of Quartz Powder**

FELDSPAR ITEM CODE	<u>L VALUE</u> <u>CONTENT</u>	<u>SRINKAGE</u>
KEX200 fk	35-40	6-9 %
KEX200 fsk	45-50	9-11 %
KEX200 fgvt	60+	10-12%
KEX300 fk	35-40	6-9 %

- **Packaging:** 25 KG Bag on Pallet, Jumbo Bags (Loose and Packed in 25/50 KG Bag)
- **Country of Origin:** India
- **Preparation Information:** This PDS has been prepared by KUNAL EXIM on 1st December, 2017.

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