

M & M CLAYS, INC.
CERAMIC PRODUCTS

TECHNICAL DATA

M & M Clays offers slurry and air floated kaolins with physical and chemical properties that are suitable for most ceramic applications. Both coarse and fine grained kaolins are available that can fit your requirements. In addition to the fully processed products, M & M Clays, Inc. also offers both shredded and semi-processed clays.

PROPERTIES

Bulk Density	30 #/cubic ft.
Moisture, (Max. % as produced)	1
PCE (cone)	34
Casting Rate (Baroid)	120
C. E. C	2.00
Specific Gravity (gm/cc)	2.62
pH (10% solids)	4.5 - 6.5
Viscosity in cps (70% solids) *	150-300
+ 325 Mesh Residue (%)	0.50**

FC CERAMIC

CHEMICAL ANALYSIS

Silica	45.16
Alumina	38.21
Iron oxide	00.36
Titania	01.77
Calcium oxide	00.04
Magnesium oxide	00.02
Sodium oxide	00.02
Potassium oxide	00.11
Loss on ignition	13.51

PARTICLE SIZE DISTRIBUTION

<u>% Finer Than</u>	
20 microns	95.9
10 microns	87.7
5 microns	72.3
2 microns	50.0
1 microns	36.8
.5 microns	21.8
Median Particle Diameter (microns)	2.0
Specific Surface Area (sq. meters/gm)	10.00

note: All data presented is the result of tests conducted by generally accepted test procedures and is representative of typical production.

* 70% solids dispersed using a Brookfield #3 spindle at 100 rpm.

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** Homer Laughlin Only

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