

# M & M CLAYS, INC.

## TECHNICAL DATA

## FILLER PRODUCTS

M & M Clays offers slurry and air floated kaolins with physical and chemical properties that are suitable for most filler 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.

<u>PROPERTIES</u>	<u>GK-990</u>	<u>GK-995</u>	<u>GK-997</u>
Bulk Density	30 #/cubic foot	30 #/cubic foot	30 #/cubic foot
Moisture, (Max. % as produced)	1	1	1
GE Brightness (minimum)	75	75	75
Oil Absorption (gm/100 gm. Clay max.)	45	45	45
C. E. C	3.50	3.50	3.50
Specific Gravity (gm/cc)	2.62	2.62	2.62
pH (10% solids max.)	4.0-6.0	4.0-6.0	4.0-6.0
Viscosity in cps (70% solids) *	1000	1000	1000
+ 325 Mesh Residue ( %)	1.0 Max	0.5 Max	0.3 Max

<u>CHEMICAL ANALYSIS</u>			
Silica	45.81	45.81	45.81
Alumina	37.77	37.77	37.77
Iron oxide	00.67	00.67	00.67
Titania	01.74	01.74	01.74
Calcium oxide	00.10	00.10	00.10
Magnesium oxide	00.05	00.05	00.05
Sodium oxide	00.03	00.03	00.03
Potassium oxide	00.22	00.22	00.22
Loss on ignition	13.18	13.18	13.18

<u>PARTICLE SIZE DISTRIBUTION</u>			
<u>% Finer Than</u>			
20 microns	94.1	94.1	94.1
10 microns	85.1	85.1	85.1
5 microns	73.3	73.3	73.3
2 microns	57.4	57.4	57.4
1 microns	46.4	46.4	46.4
.5 microns	32.2	32.2	32.2
Median Particle Diameter (microns)	1.3	1.3	1.3
Specific Surface Area (sq. meters/gram)	17.00	17.00	17.00

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

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

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MARKETED BY  
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