



O V E R S E A S C H E M I C A L S L T D .

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PHYSIOCHEMICAL PROPERTIES OF CHINA CLAYS

Properties	Unit	CAT 001	CAT 002	CAT 003	CAT 004	CAT 005
Whiteness	%	94-96	95-97	92-94	91	91
Average Particle Size	microns	6 to 7	4 to 5	92-94	4 to 5	92-94
Specific Surface Area	sq.m/cc	1.9	2.5	1.8	2.0	2.0
Sp. Gravity	-	2.7-2.8	2.7-2.8	2.7-2.8	2.5-2.6	2.3-2.4
Bulk Density *	gm/cc	0.35-0.38	0.32-0.35	0.36-0.40	38-44	55-60
Oil Absorption	%	35-38	38-42	35-38	38-42	35-38
pH Value	-	4.5-6.5	4.5-6.5	4.5-6.5	7.5-9.0	7.5-9.0
Moisture	% max .	0.4	0.4	0.4	1.5	1.5
SiO₂	%	55-58	53-55	56-58	46-52	50-56
Al₂O₃	% max	33-35	35-37	32-33	0.05-0.3	0.05-0.3
Fe₂O₃	% max	0.1	0.1	0.2	0.1	0.2
Mixed Oxides	% max	2.5	2.5	2.5	2.8	2.8
TiO₂	%	Traces	Traces	Traces	1.5	1.5
Loss on Ignition	%	6.0	6.0	6.0	13-15	13-15
Packing	Kgs/bag	25	25	30	25	30