

TYPICAL PHYSIOCHEMICAL PROPERTIES OF LEVIGATED CHINA CLAYS (Tulsi Brand)							
Property	Unit	GRADES					
		TULSI-052	TULSI-053	MICRO-5-SW	MICRO-2-FW	MICRO-2-LW	MICRO-4-FW
Whiteness	%	92-96	93-96	90-94	88-90	86-90	86-90
Average Particle Size	microns	5-6	4-5	6-8	1.5-3.5	1.2-3.2	1.5-3.5
Surface Area	sq.m/cc	8-10	9-11	6-10	10-14	12-18	10-14
Sp. Gravity	-	2.7-2.8	2.7-2.8	2.7-2.8	2.5-2.6	2.3-2.4	2.5-2.6
Bulk Density*	gm/cc	0.38-0.45	0.36-0.44	0.40-0.48	0.32-0.35	0.28-0.32	0.34-0.38
Water Absorption	%	38-44	38-46	34-42	42-48	48-55	40-46
pH Value	-	5.5-6.5	5.5-6.5	6.0-7.5	7.5-9.0	7.5-9.0	4.0-5.0
Moisture	% max	0.4	0.4	0.4	1.5	2.0	1.5
SiO ₂	%	55-58	53-55	56-58	46-52	50-56	46-52
Al ₂ O ₂	%	33-35	35-37	32-33	38-42	32-35	38-42
Fe ₂ O ₃	%	<0.1	<0.1	<0.2	0.05-0.03	0.05-0.03	0.05-0.03
Mixed Oxides	% max	2.5	2.5	2.5	2.8	2.8	2.8
TiO ₂	%	Traces	Traces	Traces	Nil	Nil	Nil
Loss on Ignition	%	<6.5	<6.5	<6.5	13-15	13-15	13-15
Residue on 500 mesh	%	<1.0	<0.5	<2.0	<0.5	<0.5	<0.5
Packing	Kgs/bag	25	25	25	20	20	20