TECHNICAL DATA SHEET

Product : Refined Ball Clay

Refined Ball Clay

It is a compound of refined ball clay from Maetan Mine in Lampang with other additive materials to achieve the excellent quality for sanitary ware production.

Chemical Analysis (%)

SiO2	58 %
TiO2	0.8 %
Al2O3	26 %
Fe2O3	1.8 %
CaO	0.3 %
MgO	0.7 %
K2O	2.6 %
Na2O	0.2 %
Loss on Ignition	9.1 %

Slip Test

Slip Density	1.58	kg/L
Fluidity	343	degree
Thixotropy at 5 minutes	10	degree
Defloculant Demand %Sodium Silicate (d/d)	0.3	%
Casting Rate at 30 minutes	2.0	mm
Soluble Sulphate	948	ppm

Residue

106 micron	0	%
63 micron	0	%
45 micron	0.32	%

PARTICLE SIZE DISTRIBUTION: EQUIVALENT SPHERICAL DIAMETER

Microns:	1	2	5	10	20
% Undersize:	N/A	N/A	75	87	90

DRIED PROPERTIES (At 150 ^{o}C) :

Modulus of Rupture[MOR]	75.3	(kg/cm2)
Dried Shrinkage	4.8	(%)

FIRED PROPERTIES (At 1,230 ^{o}C) :

LOI (%)	9.9
Fired Shrinkage (%)	10
Water Absorption (%)	1.3
Fired Color:	
L*	74
a*	3.0
b*	19