

PRODUCT : BALL CLAY
BRAND : MBC-05

DEFINITION:

MBC-05 is a cost effective, optimized Ball Clay blend predominated by minerals such as kaolinite, Illite and hydromica.

The product is semi plastic to high plastic white firing ball clay for homogenous tile industries. The product is being used as cost effective partial replacement of Ukrainian plastic clays in Asian Ceramics industries.

CHEMICAL ANALYSES

(Typical values on a % dry basis, unless stated)

SiO ₂	:	< 57.00
Al ₂ O ₃	:	< 33.00
Fe ₂ O ₃	:	< 1.20
TiO ₂	:	< 1.25
CaO	:	< 0.50
MgO	:	< 0.75
K ₂ O	:	< 2.00
Na ₂ O	:	< 0.50
LOI @ 1000° C	:	< 13.50

PHYSICAL PROPERTIES

Green MOR	:	> 7.00 Kg/Cm2
Dry MOR	:	> 12.00 Kg/Cm2
Fired MOR	:	> 125.00 Kg/Cm2
Fired Shrinkage	:	< 9.00 %
Water Absorption	:	< 12.00 %
Temperature & Cycle time: 1220° C to 1230 °C & 60 Min.		
Fired Color Value		
L*	>	85.00
a*	<	2.00
b*	<	11.00

OTHER INFORMATION

PACKAGING :	BULK
ORIGIN :	MALAYSIA

Note: Slurry prepared in Ceramic pot.

Clays are natural occurring raw material. All the data are to be considered as indicative and terms of quality are strictly as per the commercial contract. Each customer is requested to evaluate the product for his own application. We will be pleased to discuss its best use and tolerances above specified limit on simple customer request.