

PRODUCT : **BALL CLAY**
BRAND : **MBC-01(M)**

DEFINITION:

MBC-01 (M) is a cost effective, optimized Ball Clay blend predominated by minerals such as kaolinite, hydromica and Illite.

The product is 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	:	69 +/-2.00
Al ₂ O ₃	:	19 +/-2.00
Fe ₂ O ₃	:	1.10 +/- 0.30
TiO ₂	:	1.30 +/- 0.30
CaO	:	0.20 +/- 0.10
MgO	:	0.20 +/- 0.10
K ₂ O	:	1.20 +/-0.30
Na ₂ O	:	0.40 +/- 0.20
LOI	:	7.0 +/- 2.00

PARTICLE SIZE

(Measured values)

Residue % 125 micron	20 micron	10 micron	02 micron
< 1%	95%	90%	80%

PHYSICAL PROPERTIES

Green MOR : 7 min. Dry MOR : 15 min. Fired MOR : 70 min. Fired Shrinkage : 1.25 +/- 0.5 % Water Absorption: 16.0 +/-2.0 % Fired Color Value @ 1210 ^o C L* 85.0 +/- 2.00 a* 1.75 +/-0.5 b* 14.00 +/-2.0
PACKAGING : BULK
ORIGIN : MALAYSIA
MOISTURE : 26 +/- 2

OTHER INFORMATION

Specific Gravity	: 2.2+/-0.30
Bulk Density	: 1.7+/-0.20 gm/cc

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.

