

BALL CLAY FOR GLAZE

CHEMICAL PROPERTIES

Products	AM-202	SM-1	TC-15	K-21
SiO ₂	48.42	46.45	48.51	61.53
Al ₂ O ₃	36.32	36.52	38.54	25.01
Fe ₂ O ₃	0.81	0.50	0.82	1.00
TiO ₂	1.03	1.35	1.15	2.1
MgO	0.22	0.31	0.16	0.31
CaO	0.31	0.28	0.48	0.28
Na ₂ O	0.27	0.34	0.32	0.30
K ₂ O	1.00	0.15	0.68	0.93
LOI	9.48	11.16	10.61	8.25

FiredColor @ 1210 Degree

L Value	91.31	90.22	91.00	88.22
A Value	0.31	0.93	0.51	0.93
B Value	6.98	11.25	8.16	11.25

Strength and Plasticity

Raw Appearance	WHITE CHIPS	OFF WHITE	WHITE CHIPS	OFF WHITE
Shrinkage %(Dry to Fired)	9.82	7.68	8.16	7.68
Water of Plasticity	40	30	42	30

Note : AM-202, TC-15 are Processed & Remaining are Crude .

* Packing : Jumbo Bag , 40 Kg Bag , Loose Bulk

BALL CLAY FOR REFRACTORY

CHEMICAL PROPERTIES

Products	AM-202	SM-1	SBB	BPC
SiO ₂	48.42	46.45	48.89	55.14
Al ₂ O ₃	36.32	36.52	33.22	30.07
Fe ₂ O ₃	0.81	0.50	1.38	1.03
TiO ₂	1.03	1.35	1.04	2.62
MgO	0.22	0.31	0.31	0.30
CaO	0.31	0.28	0.21	0.21
Na ₂ O	0.27	0.34	0.44	0.59
K ₂ O	1.00	0.15	0.54	0.90
LOI	9.48	11.16	12.61	10.91
FiredColor @ 1210 Degree				
L Value	91.31	90.22	87.28	85.52
A Value	0.31	0.93	1.38	1.20
B Value	6.98	11.25	10.49	13.91

Strength and Plasticity

Raw Appearance	WHITE CHIPS	OFF WHITE	Grey	OFF WHITE Powder 250#
Shrinkage % (Dry to Fired)	9.82	7.68	12.36	10.5
Dry MOR (Kg/cm ²) (Casting)	45+	30+	25+	32+
Water of Plasticity	40	30	38	35
Water Absorption %	5.86	8.42	6.32	6.30

Note : AM-202 is Processed & Remaining are Crude .

* Packing : Jumbo Bag , 40 Kg Bag , Loose Bulk

BALL CLAY FOR SANITARY

CHEMICAL PROPERTIES

Products	AM-102	K-21	AA	SUPER
SiO ₂	54.7	61.53	53.75	55.14
Al ₂ O ₃	28.7	25.01	30.84	30.07
Fe ₂ O ₃	0.81	1.00	1.02	1.03
TiO ₂	1.37	2.1	2.35	2.62
MgO	0.85	0.31	0.34	0.30
CaO	0.29	0.28	0.13	0.21
Na ₂ O	0.27	0.30	0.44	0.59
K ₂ O	1.82	0.93	0.95	0.90
LOI	9.48	8.25	10.49	10.91

FiredColor @ 1210 Degree

L Value	87.07	88.22	86.25	85.52
A Value	1.00	0.93	1.12	1.20
B Value	10.85	11.25	12.49	13.91

Strength and Plasticity

Raw Appearance	GREY NOODLES	OFF WHITE	OFF WHITE	OFF WHITE
Shrinkage %(Dry to Fired)	11.44	7.68	10.5	10.5
Dry MOR (Kg/cm2) (Casting)	78.65	30+	35+	32+
Water of Plasticity	40	30	38	35
Water Absorption %	1.82	8.42	5.76	6.30

Rheological Properties and Casting Performance

Deflocculant Demand	0.1	0.5	0.7	0.7
Casting Rate (30 Minutes)	5+	3.65	4.30	4.00
Viscosity Degree	355	3.40	355	355
Thixotropy (1 Min)	15	10	15	15

Note : AM-102 is Processed & Remaining are Crude .

*** Packing : Jumbo Bag , 40 Kg Bag , Loose Bulk**

BALL CLAY FOR TABLEWARE

CHEMICAL PROPERTIES

Products	AM-202	SM-1	SBB	SUPER
SiO ₂	48.42	46.45	48.89	55.14
Al ₂ O ₃	36.32	36.52	33.22	30.07
Fe ₂ O ₃	0.81	0.50	1.38	1.03
TiO ₂	1.03	1.35	1.04	2.62
MgO	0.22	0.31	0.31	0.30
CaO	0.31	0.28	0.21	0.21
Na ₂ O	0.27	0.34	0.44	0.59
K ₂ O	1.00	0.15	0.54	0.90
LOI	9.48	11.16	12.61	10.91

FiredColor @ 1210 Degree

L Value	91.31	90.22	87.28	85.52
A Value	0.31	0.93	1.38	1.20
B Value	6.98	11.25	10.49	13.91

Strength and Plasticity

Raw Appearance	WHITE CHIPS	OFF WHITE	Grey	OFF WHITE
Shrinkage %(Dry to Fired)	9.82	7.68	12.36	10.5
Dry MOR (Kg/cm2) (Casting)	45+	30+	25+	32+
Water of Plasticity	40	30	38	35
Water Absorption %	5.86	8.42	6.32	6.30

Rheological Properties and Casting Performance

Deflocculant Demand	0.5	0.5	0.5	0.7
Casting Rate (30 Minutes)	5.00	3.65	4.30	4.00

Note : AM-202 is Processed & Remaining are Crude .

* Packing : Jumbo Bag , 40 Kg Bag , Loose Bulk

BALL CLAY FOR TILES

Products	AM-101	AM-301	SM-1	SBB	BCC	Bento	B-2	R-1	B-10	BPS
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CHEMICAL PROPERTIES

SiO ₂	70.15	58.62	46.45	48.89	60.87	58.71	64.81	58.22	59.22	54.95
Al ₂ O ₃	23.80	25.16	36.51	33.22	20.94	23.21	21.89	24.87	23.28	30.84
Fe ₂ O ₃	0.96	0.85	0.50	1.38	4.05	2.05	1.15	3.98	1.45	1.31
TiO ₂	1.16	1.47	1.35	1.04	3.02	3.95	2.21	2.59	2.12	2.03
MgO	0.21	0.52	0.31	0.31	0.41	0.41	0.41	0.32	0.41	0.30
CaO	1.55	0.92	0.28	0.21	0.31	0.34	0.31	0.28	0.28	0.32
Na ₂ O	0.25	0.62	0.34	0.44	0.94	0.98	0.27	0.29	0.31	0.42
K ₂ O	2.88	1.18	0.15	0.54	1.05	0.44	0.94	0.89	1.07	0.92
LOI	8.52	8.13	0.04	12.61	8.21	9.46	7.75	8.07	10.67	10.52

PHYSICAL PROPERTIES

Raw Appearance	GREY NOODLE	WHITE CHIPS	WHITE	Grey	Grey	Grey	Off White	Brown	Off White	Off White
Plasticity	39	50	34	37	40	48	32	36	33	35
Dry MOR (Kg/cm ²)	48.08	50+	20.8	23.4	37.2	44	22.9	25.6	20.4	25.4
Fired MOR (Kg/cm ²)	469.21	350+	120.15	295.4	406.8	359.1	210.20	361.3	258.16	278.59
Fried Shrinkage %	10.46	9+	11.98	12.56	8.97	11.28	4.95	9.42	8.16	9.12
L Value	82.72	82.65	90.14	87.14	53.06	57.56	82.6	61.15	86.73	85.62
A Value	0.80	1.04	0.81	1.88	4.22	5.02	2.55	4.62	1.91	1.81
B Value	8.52	13.25	11.5	9.31	17.46	23.2	15.64	25.68	14.27	13.72
Water Absorption (%)	0.19	4.95	8.83	6.82	1.14	1.42	8.61	4.01	8.52	8.32

Remark : Firing done at 1210° C

Note : AM-101, AM- 301 are Processed & Remaining are Crude .
* Packing : Jumbo Bag , 40 Kg Bag , Loose Bulk