

MT-CP

Product Description:

MT-CP is a ceramic slurry product that designed for sanitary ware body. It has reasonable mineralogical composition and particle size distribution, which makes itself a good performance on slip casting, manufacturing of dry body and firing properties. MT-CP can be applied to make sanitary body directly.

(Suggestion of using amount: 30%-100%)

Physical Properties

Moisture (%)	325 mesh residue (%)	B.D. (Density)	V0/V30 (sec)	pH	Dry Strength (kgf/cm ²)	WG/SD (%)	Grinding time (min)
25	5.66	1.80	42/60	6.19	35.16	1.84/0.1	15

Chemical Analysis

Al ₂ O ₃ (%)	SiO ₂ (%)	Na ₂ O(%)	K ₂ O(%)	CaO(%)	MgO(%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
22.63	64.90	0.90	2.56	0.59	0.29	1.32	0.18

Firing Properties

Temp (°C)	LOI (%)	Dry Shrinkage (%)	Total Shrinkage (%)	Bending (mm)	Water absorption (%)	<10um (%)
1217	7.13	3.18	11.22	18.26	0.42	71.00

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MT-C

Product Description:

MT-C is a partial formula clay for sanitaryware body application. It has an excellent fluidity and plasticity for the whole complicated manufacturing process.

(Suggestion of using amount: 10%-30%)

Physical Properties

Moisture (%)	325 mesh residue (%)	B.D. (Density)	V0/V30 (sec)	pH	Dry Strength (kgf/cm ²)	WG/SD (%)	Grinding time (min)
25.00	6.63	1.76	36/59	4.78	31.00	0.51/0.1	15.00

Chemical Analysis

Al ₂ O ₃ (%)	SiO ₂ (%)	Na ₂ O(%)	K ₂ O(%)	CaO(%)	MgO(%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
21.96	66.33	0.37	2.92	0.07	0.18	1.04	0.17

Firing Properties

Temp (°C)	LOI (%)	Dry Shrinkage (%)	Total Shrinkage (%)	Bending (mm)	Water absorption (%)	<10um (%)
1208	5.90	3.74	10.77	13.80	4.80	70.43

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MT-F

Product Description:

MT-F washed ball clay is a special clay with sericite structure. The unique properties of MT-F are excellent fluidity, low vitrified temperature and low shrinkage. It can be applied from 10% to 35% in body formula.

Physical Properties

Moisture (%)	325 mesh residue (%)	B.D. (Density)	V0/V30 (sec)	pH	Dry Strength (kgf/cm ²)	WG/SD (%)	Grinding time (min)
22	6.00	1.78	50/107	4.56	32.80	0.27/0.1	15

Chemical Analysis

Al ₂ O ₃ (%)	SiO ₂ (%)	Na ₂ O(%)	K ₂ O(%)	CaO(%)	MgO(%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
19.52	71.10	trace	3.41	trace	0.22	0.66	0.22

Firing Properties

Temp (°C)	LOI (%)	Dry Shrinkage (%)	Total Shrinkage (%)	Bending (mm)	Water absorption (%)	<10um (%)
1208	4.61	3.12	10.54	19.74	0.82	68.0

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HB-2

Product Description:

HB-2 is a ball clay that manufactured by washing flotation technology. The physical property includes easy dispersion, stable fluidity, excellent workability after casting , high dry strength and good plasticity.

Physical Properties

Moisture (%)	325 mesh residue (%)	B.D. (Density)	V0/V30 (sec)	pH	Dry Strength (kgf/cm ²)	WG/SD (%)	Grinding time (min)
25	1.89	1.61	32/66	5.02	76.02	1.61/0.1	0

Chemical Analysis

Al ₂ O ₃ (%)	SiO ₂ (%)	Na ₂ O(%)	K ₂ O(%)	CaO(%)	MgO(%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
31.17	52.47	0.24	1.18	0.14	0.10	1.17	0.31

Firing Properties

Temp (°C)	LOI (%)	Dry Shrinkage (%)	Total Shrinkage (%)	Bending (mm)	Water absorption (%)	<10um (%)
1200	13.62	4.52	12.34	3.21	4.62	85.00

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Clay-250

Product Description:

Clay-250 is a composed of specific raw materials. It is a blended clay and designed for sanitary ware using only. This clay has competitive price and stable quality.

Physical Properties

Moisture (%)	325 mesh residue (%)	B.D. (Density)	V0/V30 (sec)	pH	Dry Strength (kgf/cm ²)	WG/SD (%)	Grinding time (min)
24	2.8	1.63	42/62	4.26	62.80	1.29/0.1	15

Chemical Analysis

Al ₂ O ₃ (%)	SiO ₂ (%)	Na ₂ O(%)	K ₂ O(%)	CaO(%)	MgO(%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
28.96	53.26	trace	1.12	0.14	0.32	1.85	0.16

Firing Properties

Temp (°C)	LOI (%)	Dry Shrinkage (%)	Total Shrinkage (%)	Bending (mm)	Water absorption (%)	<10um (%)
1208	12.8	3.42	10.28	8.62	5.56	-

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