



*M S Sawa Clay
&
Minerals Pvt. Ltd.*



MANUFACTURER OF HIGH
QUALITY FINE CHINA CLAY FOR
PAPER, PAINT, RUBBER AND
CERAMIC INDUSTRIES

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M S Sawa Clay & Minerals Pvt. Ltd. (MSSCMPL) is one of the largest Greenfield Sand washing & clay processing plants with state of art technology having production capacity of 1200 MT/day. M S Sawa Clay & Minerals Pvt. Ltd. is an associate company of Progressive & Propular Minerals Pvt. Ltd the second largest china clay mine owner in Asia. We are using latest technology for processing china clay into various forms as per the requirements of industries like Ceramics, Paper Rubber, Paint, Plastic, Cosmetic, Pharmaceuticals, Glass, foundries etc. We have our own R & D wing equipped with sophisticated lab equipments like Colour Touch, Sedigraph & XRF system to ensure the quality of the incoming raw materials as well as end products. The products of M S Sawa Clay & Minerals are well known to its best quality because of strictly adhering to quality control as well as naturally low contents of Fe_2O_3/TiO_2 and presence of K_2O/Na_2O .



SAWACOAT

Sawacoat is highly refined hydrous kaolin having very micro fine particle size with narrow distribution, good shade and easy dispersion. This is produced from selected raw kaolin using modern technology and sophisticated equipments. Process control testing conducted at various stages to ensure the quality and consistency. The product is available in powder/lump form and dust free bags.



Applications

- Paints** : As extender pigment in water base paints to provide very good opacity, gloss and dry colour.
- Paper** : For coating applications & filler in the paper matrix.
- Printing Ink** : As extender pigment in paste ink and to get high print, gloss and ink holdout.
- Ceramics** : As a high end ceramics glaze, engobe, frit, digital print and formulations of white wares.
- Soaps** : As a builder and provide smooth surface finish.

Specification

-2microns (min)	80	Brightness ISO (Min)	85
+400mesh % (max)	0.05	L (min)	94
Moisture % (max) Powder	2	a (min)	-0.30
		Y'ness (Max)	4.8
Typical Analysis			
pH	7.9	Chemical Analysis (XRF)	(%)
Bulk density, kg/lit	0.30	SiO ₂	49±1
Flow point, g/100g	145	Al ₂ O ₃	35±2
Oil absorption, g/100g	40	Fe ₂ O ₃	0.5
Hegmen fineness	5+	TiO ₂	0.3
Specific surface area, m ² /g	16	CaO	0.8
Specific gravity	2.6	MgO	0.4
Refractive index	1.6	K ₂ O	0.9
		LOI @ 1000° C	12

Packing : Powder/Lumps in 25 kgs HDPE bags & as per customer requirement

SAWA SUPREME

Sawa Supreme is highly refined hydrous kaolin having very micro fine particle size with narrow distribution, good shade and easy dispersion. This is produced from selected raw kaolin using modern technology and sophisticated equipments. Process control testing conducted at various stages to ensure the quality and consistency. The product is available in noodle form and dust free bags.



Applications

- Ceramics** : As a high end ceramics glaze, engobe, frit, digital print and formulations of white wares.
- Paper** : For coating applications & filler in the paper matrix.
- Paints** : As extender pigment in water base paints to provide very good opacity, gloss and dry colour.
- Printing Ink** : As extender pigment in paste ink and to get high print, gloss and ink holdout.
- Soaps** : As a builder and provide smooth surface finish.

Specification

-2 microns (min)	75	Brightness ISO (Min)	85
+400mesh % (max)	0.02	L (min)	94
Moisture % (max) Powder	2	a (min)	-0.30
Moisture % (max) Lump	10±2	b (max)	4.0
Typical Analysis		Brightness ISO (Min)@ 1160°C	92
pH	8.0	L (min)	96
Bulk density, kg/lit	0.30	a (min)	-0.10
Flow point, g/100g	135	b (max)	1.80
Oil absorption, g/100g	40	Chemical Analysis (XRF)	(%)
Hegmen fineness	5+	SiO ₂	49±2
Specific surface area, m ² /g	16	Al ₂ O ₃	33±2
Specific gravity	2.6	Fe ₂ O ₃	0.6
Refractive index	1.6	TiO ₂	0.5
		CaO	1.0
		MgO	0.4
		Na ₂ O	0.1
		K ₂ O	1.5
		LOI @ 1000°C	11.0

- SAWA PREMIUM** : Same Specification as above but available in lump form.
- Packing** : Powder/Noodles/Lumps in 50 kgs HDPE bags & as per customer requirement

SAWA PRECOAT

Sawa Precoat is a hydrous kaolin general purpose filler with medium particle size and easy dispersive clay. This is produced from raw kaolin of primary deposit using modern technology and sophisticated equipments. Process control testing conducted at various stages to ensure the quality and consistency. The products is available in powder/lump form and dust free bags.



Applications

- Ceramics** : It is used in wall tiles, floor tiles, engobe, glaze, digital glaze, matt and glossy applications.
- Paints** : As extender pigment in water base paints to provide very good opacity, gloss and dry colour.
- Paper** : For Pre-coat applications & filler in the paper matrix
- Soaps** : As a builder and provide smooth surface finish.

Specifications

+300mesh % (max)	1.0	Brightness ISO (Min)	82
Moisture % (max) Lump	10±2		
		Brightness ISO (Min)@ 1160°C	88
		L (min)	95
Typical Analysis		a (min)	0.2
pH	8.0	b (max)	2.4
Bulk density, kg/lit	1.0	Chemical Analysis (XRF)	(%)
		SiO ₂	49±2
Specific gravity	2.6	Al ₂ O ₃	33±2
Refractive index	1.6	Fe ₂ O ₃	0.6
Water of Plasticity %	36.2	TiO ₂	0.5
		CaO	1.0
		MgO	0.4
		Na ₂ O	0.1
		K ₂ O	1.5
		LOI @1000°C	12

Packing : Powder/Lumps in 50 kgs HDPE bags & as per customer requirement

SAWA VITRO

Sawa vitro is general purpose filler with macro particle size and easy dispersive clay. This is produced from raw kaolin of primary deposit using modern technology and sophisticated equipments. Process control testing conducted at various stages to ensure the quality and consistency. The product is available in powder/lump form and dust free bags.



Applications

- Ceramics** : It is used in wall tiles, floor tiles, engobe, glaze, digital glaze, matt and glossy applications.
- Paints** : As extender pigment in water base paints to provide very good opacity, gloss and dry colour.
- Paper** : For Pre-coat applications & filler in the paper matrix
- Soaps** : As a builder and provide smooth surface finish.

Specifications

+240mesh % (max)	3.0	Chemical Analysis (XRF)	(%)
Moisture % (max) Lump	13±2	SiO ₂	46.34
		Al ₂ O ₃	35.32
Brightness ISO (Min)	78	Fe ₂ O ₃	0.57
		TiO ₂	0.44
		CaO	1.79
Fired L (Min)	89±1	MgO	0.73
Temperature	1220°C	Na ₂ O	0.16
Cycle (Min.)	47	K ₂ O	2.65
		LOI @ 1000 C	12

Packing : Lumps in 50 kgs HDPE bags & as per customer requirement.

R & D Lab

M S Sawa Clay & Minerals having its own R & D infrastructure quipped with sophisticated lab equipments like XRF, Sedigraph, Color Touch, Centrifuge, Brookfield Viscometer & Lab Coater to ensure the quality of the processed minerals. R & D is headed by highly qualified and vast experienced executive with support of chemists who are having wide experience in the mineral processing field.



Lab Centrifuge



XRF-Spectrometer



Bar Coater



Sedigraph



Colour-Tech



Brookfield Viscometer

Our Mines

Our mines have rich proved mineable mineral reserves and are located in close proximity to our sand washing plant in Sawa, District Chittorgarh, Rajasthan in the North-West of India. Altogether M S Sawa Clay & Minerals possess largest deposits of kaolin in the world (Source: Industrial Mineral). Our Sawa Silica Sand/ Kaolin Mines have extensive deposits of exceptional qualities of kaolin capable to produce vast array for different industrial applications.



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Contact Details

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