



Su | **SWASTIK**
MICRONS



We are processing & supplying Calcined Kaolin, Hydrous Kaolin, Washed Kaolin in levigated form, Crude Kaolin and Silica Sand. We also exclusively dealing with Aluminosilicate materials in both raw and processed forms from Bhuj-Kutch (Gujarat) to pan India and Overseas.

Our processing unit is situated near to mines for procuring material from our own source and feeding grade is fixed to avoid least variations to maintain important parameters in our final products.

Integrated lab facility inside our plant to check each incoming and outgoing material with experienced staff on routine basis makes everything systematic and our clear vision to satisfy our valuable customers.



CALCINED KAOLIN & META KAOLIN

PRODUCT DESCRIPTION

- Based on requirements of our valuable customers we feed classified washed kaoline processed in beneficiation plant and pass it through requisite temperature in Rotary Kiln depending on end applications. Our well observed processing methods and applications for both Calcined process and fine particle technology results fine particle calcined kaolins and are widely used in various applications worldwide. We are committed to optimize highest gloss ultra fine calcined kaolin to cater paint, paper and many other industries.

Physical Specifications										
Grade	Whitness	Brightness	Colour Shade On Water Panel	Bulk Density (gm/ltr)	PH	500 Mesh Residue (%)	400 Mesh Residue (%)	Oil Absorption (gm/100gm)	Specific Gravity	Loss on Ignition at 900°C (%)
SM GLAZEX	96 ±0.5	93 ±0.5	White	380 ±20	6 ±0.5	Max. 0.15	-	50 - 65	2.5 - 2.7	0.3 Max
SM SUPER	95 ±0.5	92 ±0.5	White	400 ±20	6 ±0.5	Max. 0.20	-	45 - 55	2.5 - 2.7	0.3 Max
SM FINE	94 ±0.5	91 ±0.5	White	420 ±20	6 ±0.5	-	Max. 0.20	40 - 55	2.5 - 2.7	0.3 Max
SM GLOW	93 ±0.5	90 ±0.5	White	430 ±20	6 ±0.5	-	Max. 0.20	40 - 55	2.5 - 2.7	0.3 Max
SM KAOFIL	91 ±0.5	88 ±0.5	White	440 ±20	6 ±0.5	-	Max. 0.30	40 - 55	2.5 - 2.7	0.3 Max
SM WHITE	88 ±0.5	85 ±0.5	White	460 ±20	6 ±0.5	-	Max. 0.30	40 - 55	2.5 - 2.7	0.3 Max

Chemical Composition (Typical)									
Grade	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	TiO ₂ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	L.O.I. %
SM GLAZEX	48-51	42-44	0.5 Max.	1.0 Max.	0.5 Max	0.2 Max.	0.2 Max.	0.2 Max.	0.1 Max.
SM SUPER	48-51	42-44	0.5 Max.	1.0 Max.	0.5 Max.	0.2 Max.	0.2 Max.	0.2 Max.	0.1 Max.
SM FINE	49-51	41-43	0.5 Max.	1.0 Max.	0.5 Max.	0.2 Max.	0.2 Max.	0.2 Max.	0.2 Max.
SM GLOW	49-51	41-43	0.5 Max.	1.0 Max.	0.5 Max.	0.2 Max.	0.2 Max.	0.2 Max.	0.2 Max.
SM KAOFIL	50-52	38-42	1.0 Max.	1.5 Max.	1.0 Max.	0.2 Max.	0.5 Max.	0.2 Max.	0.3 Max.
SM WHITE	51-54	37-40	1.5 Max.	1.5 Max.	1.5 Max.	0.7 Max.	0.5 Max.	0.7 Max.	0.3 Max.

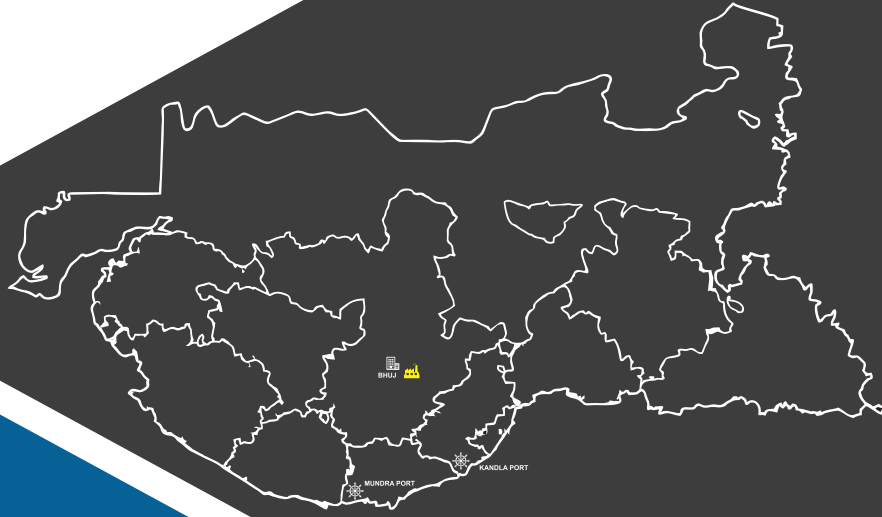


HYDROUS KAOLIN

PRODUCT DESCRIPTION

- The crude kaolin is washed to remove grit and other impurities. Various chemical processes are also used to purify the clay further. It is further filter pressed to form kaolin cakes that are sun dried and broken into lumps. The washing and removal of impurities enhances the whiteness of kaolin which makes it very valuable for the ceramic industry. Washed kaolin lumps can further be pulverized and/or classified for applications in rubber, plastic, paper, and paint industries.

Physical Specification - ISO	
Brightness	83 ±1.0
Whiteness	86 ±1.0
L Value	94 ±0.5
A Value	1.50+0.3
B Value	3.2+0.3
Color	White
Shrinkage	3.1% Max.
Residue (#300)	1.5% Max
Technicla Specification	
Specific Gravity	2.5 g/CC Max.
pH	5 to 7%
Wop.	34% Min.
Moisture (% Max)	5% Max.
Chemical Composition	
SiO ₂	45 to 47%
Al ₂ O ₃	35 to 39%
TiO ₂	1.2% Max.
Fe ₂ O ₃	0.6% Max
MgO	0.1% Max.
CaO	0.5% Max
K ₂ O	0.5% Max.
Na ₂ O	0.5% Max
Loss on Ignition	12 to 14%



- CORPORATE OFFICE
- PLANT
- PORTS



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Works ::
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**PRODUCT NAME : CALCINED KAOLIN
GRADE : SM-GLOW**

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	RESULT
Whitness (AIMIL) (%)	93.0 ±0.5
Brightness (AIMIL) (%)	90.0 ±0.5
Color Shade on Water Panel	White
Bulk Density (un-tapped) (gm/ltr)	430 ±20
pH	6 ±0.5
Moisture (%)	0.2 Max
500 Mesh Residue (%)	-
400 Mesh Residue (%)	Max. 0.20
Oil Absorption (gm/100gm)	40 - 55
Specific Gravity	2.5 - 2.7
Loss On Ignition (900°C) (%) Max.	0.3 Max

This data quoted are determined by use of SWASTIK MICRONS standard test methods. Every precaution is take in production to ensure the products confirm to our published data, but as they are based on Naturally occurring raw materials, we reserve the right to change this data, should it become necessary.

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PRODUCT NAME : HYDROUS KAOLIN

TYPICAL PHYSICAL PROPERTIES

Physical Specification - ISO	
Brightness	83 ±1.0
Whiteness	86 ±1.0
L Value	94 ±0.5
A Value	1.50+0.3
B Value	3.2+0.3
Color	White
Shrinkage	3.1% Max.
Residue (#300)	1.5% Max
Technicla Specification	
Specific Gravity	2.5 g/CC Max.
pH	5 to 7%
Wop.	34% Min.
Moisture (% Max)	5% Max.
Chemical Composition	
SiO ₂	45 to 47%
Al ₂ O ₃	35 to 39%
TiO ₂	1.2% Max.
Fe ₂ O ₃	0.6% Max
MgO	0.1% Max.
CaO	0.5% Max
K ₂ O	0.5% Max.
Na ₂ O	0.5% Max
Loss on Ignition	12 to 14%

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**PRODUCT NAME : CALCINED KAOLIN
GRADE : SM-ALBIDO**

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	RESULT
Whitness (AIMIL) (%)	97.0 ±0.5
Brightness (AIMIL) (%)	94.0 ±0.5
Color Shade on Water Panel	White
Bulk Density (un-tapped) (gm/ltr)	380 ±20
pH	6 ±0.5
Moisture (%)	0.2 Max
500 Mesh Residue (%)	Max. 0.15
400 Mesh Residue (%)	-
Oil Absorption (gm/100gm)	50 - 65
Specific Gravity	2.5 - 2.7
Loss On Ignition (900°C) (%) Max.	0.3 Max

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**PRODUCT NAME : CALCINED KAOLIN
GRADE : SM-WHITE**

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	RESULT
Whitness (AIMIL) (%)	88.0 ±0.5
Brightness (AIMIL) (%)	85.0 ±0.5
Color Shade on Water Panel	White
Bulk Density (un-tapped) (gm/ltr)	460 ±20
pH	6 ±0.5
Moisture (%)	0.2 Max
500 Mesh Residue (%)	-
400 Mesh Residue (%)	Max. 0.30
Oil Absorption (gm/100gm)	40 - 55
Specific Gravity	2.5 - 2.7
Loss On Ignition (900°C) (%) Max.	0.3 Max

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**PRODUCT NAME : CALCINED KAOLIN
GRADE : SM-FINE**

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	RESULT
Whitness (AIMIL) (%)	94.0 ±0.5
Brightness (AIMIL) (%)	91.0 ±0.5
Color Shade on Water Panel	White
Bulk Density (un-tapped) (gm/ltr)	420 ±20
pH	6 ±0.5
Moisture (%)	0.2 Max
500 Mesh Residue (%)	-
400 Mesh Residue (%)	Max. 0.20
Oil Absorption (gm/100gm)	40 - 55
Specific Gravity	2.5 - 2.7
Loss On Ignition (900°C) (%) Max.	0.3 Max

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**PRODUCT NAME : CALCINED KAOLIN
GRADE : SM-KAOFIL**

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	RESULT
Whitness (AIMIL) (%)	91.0 ±0.5
Brightness (AIMIL) (%)	88.0 ±0.5
Color Shade on Water Panel	White
Bulk Density (un-tapped) (gm/ltr)	440 ±20
pH	6 ±0.5
Moisture (%)	0.2 Max
500 Mesh Residue (%)	-
400 Mesh Residue (%)	Max. 0.30
Oil Absorption (gm/100gm)	40 - 55
Specific Gravity	2.5 - 2.7
Loss On Ignition (900°C) (%) Max.	0.3 Max

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**PRODUCT NAME : CALCINED KAOLIN
GRADE : SM-SUPER**

TYPICAL PHYSICAL PROPERTIES

PROPERTIES	RESULT
Whitness (AIMIL) (%)	95.0 ±0.5
Brightness (AIMIL) (%)	92.0 ±0.5
Color Shade on Water Panel	White
Bulk Density (un-tapped) (gm/ltr)	400 ±20
pH	6 ±0.5
Moisture (%)	0.2 Max
500 Mesh Residue (%)	Max. 0.20
400 Mesh Residue (%)	-
Oil Absorption (gm/100gm)	45 - 55
Specific Gravity	2.5 - 2.7
Loss On Ignition (900°C) (%) Max.	0.3 Max

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