

Product Description—Washed Kaolin

Item	Product Description
AG-95	Washed kaolin with very low Fe ₂ O ₃ (< 0.3%) and TiO ₂ (< 0.1%) and high whiteness (> 92). It can be applied in tableware, tile and glaze industry. (10-15%)
GK-92	Washed kaolin with high alumina content, high whiteness(> 90) and has good suspension ability.
SK-80	Low temperature washed kaolin with low water absorption (~3%) after firing at 1200 degree, and has whiteness around 80. The special phenomenon of SK-80 is that it has very high dry strength (> 60kgf/cm ²) comparing with other washed kaolin. It can be applied in tableware, ultra white porcelain tile using (5-10%).
K-S	Washed kaolin with very good suspension ability, can be applied to transparent glaze, it can help reducing the pin hole on the surface of transparent glaze and also has flat glaze surface.
Au-Clay	Ultra white and fine size washed kaolin, with firm kaolinite structure. After firing, it becomes very sophisticated and has high whiteness (>93). It can be applied in tableware, glaze and tile industry.(5-10%)
HN-2	Quartz clay powder, with highly crystalized quartz form in it structure, and high whiteness, can be applied in tableware, glaze and tile industry.

AG-95

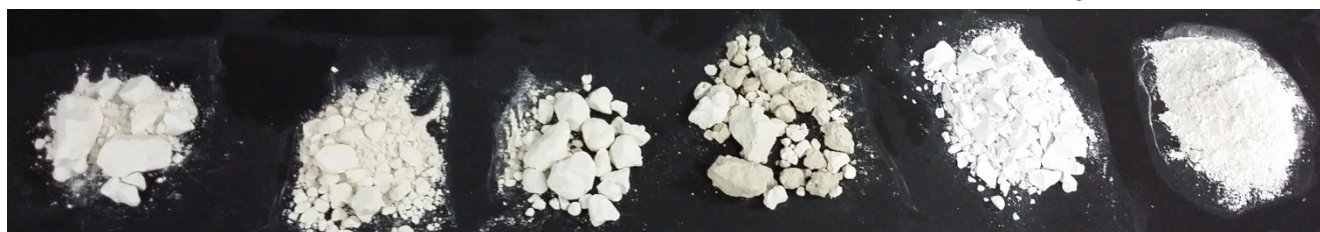
GK-92

SK-80

K-S

Au-Clay

HN-2



HEAD OFFICE

5F, No.27, Sec 1, Chang-an E. Rd.
Zhongshan District, Taipei City 104,
Taiwan (R.O.C)
TEL: +886-2-25364771
FAX: +886-2-25817391

LUNGTAN FACTORY, TAIWAN

No.11, Nan Wo Kou, Kao Ping
Villiage, Lungtan Hsiang,
Taoyuan County 325, Taiwan (R.O.C)
TEL: +886-3-4716779
FAX: +886-3-4718367

SANSHUI FACTORY, CHINA

Industrial Park, Lubao Town,
Sanshui District, Foshan City,
Guangdong Province 528139 China
TEL: +86-757-87239929
FAX: +86-757-87230100

Data Sheet of Washed Kaolin

	Typical Data	AG-95	GK-92	SK-80	KS	Au-Clay	HN-2
Chemical Analysis	SiO ₂ (%)	51.55	44.28	53.79	49.95	58.92	81.92
	Al ₂ O ₃ (%)	34.31	38.22	31.72	35.59	27.60	12.35
	K ₂ O (%)	0.20	0.50	1.70	2.10	0.76	0.04
	Na ₂ O (%)	0.15	0.33	0.20	0.17	N.D.	N.D.
	MgO (%)	0.03	0.03	0.74	0.11	N.D.	0.01
	CaO (%)	0.02	0.04	0.56	0.07	N.D.	N.D.
	Fe ₂ O ₃ (%)	0.24	0.35	0.33	0.75	0.05	0.03
	TiO ₂ (%)	0.05	0.02	0.01	0.10	0.10	0.09
	Igloss(%)	13.30	15.32	10.60	11.15	12.67	4.49
Physical Properties	pH	7.1	6.8	6.7	7.1	7.1	7.0
	Velocity(sec) (Grinding 15mins, STTP:0.25%)	8.0	9.1	>30	9.2	9.0	8.0
	B.D.(g/cm ³)	1.43	1.42	1.39	1.41	1.42	1.40
Particle Size Distribution	>46μm	0.1	0.7	0.1	0.0	0.0	0.0
	<23μm	95.6	82.3	94.9	98.5	99.5	98.7
	<11μm	75.2	45.2	77.2	86.1	99.2	88.9
	<6μm	50.3	26.6	56.8	65.1	99.0	75.1
	<3μm	25.7	12.0	25.2	26.9	92.6	41.3
	<1μm	3.1	3.3	3.7	3.7	46.1	8.6
Dry Strength (dried at 150°C)	(Kgf/cm ²)	17.0	16.2	61.7	11.4	25.2	-
	p.s.i.	241.4	230.0	876.3	161.9	358.0	-
Fired Propties at 1200°C	Water Absorption(±1%)	17.1	15.7	2.5	11.3	15.3	26.0
	Brightness(±1%)	92.0	89.0	81.0	78.0	94.0	91.0
	Contraction(±1%)	9.4	9.5	10.3	6.5	12.6	0.2
Appearance	Cake form (22% moisutre)	☉	-	-	-	☉	-
	Noodle form (23% moisutre)	-	☉	☉	☉	-	-
	Powder form	-	☉	☉	☉	-	☉
Packing	Bulk	-	-	-	-	-	-
	Mt Bag	☉	☉	☉	☉	☉	☉
	25/50 KG Bag	☉	☉	☉	☉	☉	☉

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