



KAOLINS FOR PAPER FILLER APPLICATIONS

TYPICAL DATA

TEST	UNITS	PLATINUM BRIGHT	PLATINUM LUSTRE	PLATINUM SC	PLATINUM JUBILEE	PLATINUM WHITE	PLATINUM EPSILON
ISO OPTICAL PROPERTIES	R457 Colour (%)	83.5	82.5	82	82	81	78.0
	Yellowness %	5.7 max	5.7 max	5.4 max	5.7 max	6.2 max	7.0 max
PARTICLE SIZE DISTRIBUTION (Sieve)	+53µm %	0.05 max	0.05 max	0.05 max	0.05 max	0.05 max	0.05 max
	(Sedigraph) +10µm %	7	7	Max 8	7	8	20 max
	(Sedigraph) -2µm %	48	48	40	48	48	35
pH		5.0	5.0	5.0	5.0	5.0	5.0
EINLEHNER ABRASION	Mg loss	25 max	25 max	25 max	20 max	25 max	25 max
CHEMICAL ANALYSIS (XRF)	SiO ₂ %	49.4	47.10	47.80	47.50	48.5	47.10
	Al ₂ O ₃ %	35.4	37.50	37.00	37.0	36.1	37.50
	Fe ₂ O ₃ %	0.69	0.80	0.80	0.80	0.80	0.80
	TiO ₂ (%)	0.04	0.04	0.03	0.03	0.03	0.03
	CaO %	0.18	0.02	0.10	0.10	0.18	0.02
	MgO %	0.43	0.02	0.30	0.20	0.43	0.20
	K ₂ O %	3.20	2.30	2.30	2.50	2.60	2.30
	Na ₂ O %	0.10	0.17	0.05	0.05	0.05	0.07
	LOI %	11.0	12.00	11.60	11.50	11.50	12.00
MINERALOGICAL COMPOSITION (XRD)	Kaolinite %	87	86	86	85	83	78
	Mica %	9	10	10	10	12	15
	Felspar %	2	2	2	3	3	5
	Others %	2	2	2	2	2	2

Goonvean Ltd. was the first china clay company in the UK to be awarded the Certificate ISO 9001. The Company was founded in 1931 and in that time has established a strong reputation for the supply of high quality kaolins. Our products are used by major producers of pharmaceuticals, paints, plastics and rubber throughout the world, where quality and service are essential.

FILLER CLAYS

Goonvean Filler Clays are designed to improve the performance of a wide range of paper and board products. Benefits include increased opacity and brightness and improved printability. **Platinum Bright** is the whitest filler clay available on the market at standard particle size distribution for filler clays. **Platinum SC** has been specially engineered to optimise properties in SC paper production. The steep particle size distribution curve allows for reduced losses at the centricleaners and good retention in the paper sheet. The platy particles reorientate after calendering to fill voids between the fibres, thus improving smoothness, porosity and ink absorption.

Product Forms And Packaging

FORM	MOISTURE	PACKAGING
Noodles	10%	Bulk, One Tonne Bags or 50kg Bags
Powder	1%	25kg Bags

As a guide, storage is:

Noodles in bulk	1,000 kg/m ³
Noodles in bags	900 kg/m ³
Powder in 25 kg bags	700 kg/m ³

Quality Control

Goonvean Ltd was the first china clay company to be approved to BS EN ISO 9002. All our china clays are manufactured and evaluated to stringent control limits within our quality system, thus ensuring that all deliveries to our customers fully meet the agreed specification.

In 2003, we were upgraded to BS EN ISO 9001:2000 (Certificate No.: 4012130)

Data

The data quoted are determined by the use of Goonvean Standard Laboratory Test Procedures. Whilst every effort is taken to ensure the accuracy of technical information, the contents of this publication are not intended to constitute, or to be construed as product specification. Detailed test methods available upon request.

Conditions of Sale

Sales are in accordance with our "Conditions of Sale", copies of which will be supplied upon request.

Further Information

Should you require any further information or advice on our products, please contact us at the address given below.

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