

KAOLIN FOR PAPER INDUSTRY GRADE

The primary application of kaolin is in the paper industry as a paper coating that enhances appearance by adding to clarity, smoothness and brilliance. It increases printability, too. In fact, the paper sector is used as a buffer to lower prices to utilize tree-based energy.

It is also used in paper adhesives to monitor the penetration of the material.

GRADE: PM – 82

Physical Properties

Parameter	Specifications
Appearance	White
Moisture	1.00% max
Residue 300 BSS Mesh by wet sieving	0.50% max
Water of Plasticity	32 – 35 ml/100gm
pH @10% solid concentration	6 – 8
Brightness (ISO)	83 % (+/- 1%)
Bulk Density	265 – 275 gm/ltr
Yellow Index	3.5 – 4.5
Oil Absorption	32 – 37 gm/ltr
Specific Gravity	2.6

Admin office: 110 A Block City Center, Nr Idgah Circle Asarwa Bridge, Asarwa, Ahmedabad Gujarat 380 016 **INDIA**

Plant: Plot No. 410 Phase II, Vatva G. I. D. C. Industrial Estate, Vatva, Ahmedabad Gujarat 382 445 **INDIA**

E: inquiry@gmcltd.com **W:** www.gmcltd.com **T:** +91 79905 25617 **F:** +91 79848 07644

Certificate of Incorporation: U24290GJ2019PTC108256 GST NO.: 24AAHCG8288L1ZY

GLOBAL METRO CHEM INDUSTRIES

Chemical Properties

Parameter	Specifications
SiO ₂	44.00 – 45.00%
Al ₂ O ₃	36.50 – 37.50%
Fe ₂ O ₃	00.15 – 00.35%
TiO ₂	00.15 – 00.25%
CaO + MgO	00.05 – 00.25%
Na ₂ O + K ₂ O	00.15 – 00.25%
L.O.I	13 – 14%

GRADE: PM – WHITE

Physical Parameters

Parameter	Specifications
Apperance	White Lumps
Moisture	5.00% max
Residue 300 BSS Mesh by wet sieving	1.00% max
Water of Plasticity	28 – 30 ml/100gm
pH @10% solid concentration	7.5 – 8.5
Brightness (ISO)	80 % (+/- 1%)
Total Shrinkage (1105 ⁰ C ½ hour soak)	11.50% max
Fired Brightness – L* Value (1150 ⁰ C)	90 – 92%

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GLOBAL METRO CHEM INDUSTRIES

Chemical Properties

Parameter	Specifications
SiO ₂	46.00 – 47.00%
Al ₂ O ₃	36.50 – 37.50%
Fe ₂ O ₃	00.30 – 00.38%
TiO ₂	00.90 – 01.10%
CaO + MgO	00.25 – 00.35%
Na ₂ O + K ₂ O	00.10 – 00.15%
L.O.I	13.25 – 13.75%

PACKING: As per requirement*

ORIGIN: INDIA

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