



DYNAMIC EXIM CORPORATION

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Hydrous Kaolin Powder

PRODUCT SPECIFICATION

GRADE NAME	HK 75	HK 80	HK 82	HK 83	HK FINE	HK LIGHT
Application	Filler, Paper Pre Coating, Rubber, Detergent Soap & Many More					
Pow. BR (%) ISO	76±1	81±1	83±1	84±1	86±1	86± 2
Color Shade (on water panel)	Off White	White	White	White	White	White
Bulk Density (gms/lit)	265-275	265-275	265-275	265-275	265-275	180-220
PH	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
Residue (500#)	1.0(300#)	0.5 max	0.5 max	0.5	0.5	0.5 Max
Yellow Index	4.50-5.50	4.0-5.0	3.50-4.50	2.5- 3.5	2.5- 3.5	2-2.5
Oil Absorption (gm/100gm)	32-35	32-35	32-37	35-40	35-40	40-45
Water Demand (ml/100gm)	32-35	32-35	32-37	32-37	32-37	32-37
Flow Point	110-120	110-120	120-130	120-130	120-130	110-130
Specific Gravity	2.6	2.6	2.6	2.6	2.6	2.6
Loss on Drying (at 105°C/1hrs)	5.0% max	5.0% max	5.0% max	5.0% max	5.0% max	5.0% max

CHEMICAL COMPOSITION

% SiO ₂	45-47	44-46	43-45	43-45	42-44	43-45
% Al ₂ O ₃	35-37	36-38	37-39	37-39	38-40	38-40
% Fe ₂ O ₃	0.65-0.75	0.4-0.5	0.3-0.4	0.3-0.4	0.3-0.4	0.2-0.3
% TiO ₂	0.75-0.90	0.6-0.7	0.6-0.7	0.6-0.7	0.6-0.7	0.6-0.7
% CaO	0.15	0.15	0.15	0.15	0.15	0.15
% MgO	0.20	0.20	0.20	0.20	0.20	0.20
% Na ₂ O	0.10	0.10	0.10	0.10	0.10	0.10
% K ₂ O	0.10	0.10	0.10	0.10	0.10	0.10
% L.O.I.	13-15	13-15	13-15	13-15	13-15	13-15

PARTICLE SIZE DISTRIBUTION (ON SEDIGRAPH 5100)

D(50) M	0.51m	0.51m	0.51m	0.51m	0.51m	0.51m
% Below 10 Micron	97.8 min	97.8 min	97.8 min	97.8 min	97.8 min	99.0 min
% Below 2 Micron	72-75	75-77	77-80	80-85	90-95	95-98

***Note: Mess size & PH can be changed as per the customer's requirement**