

HINDCAL ULTRA FINE SERIES

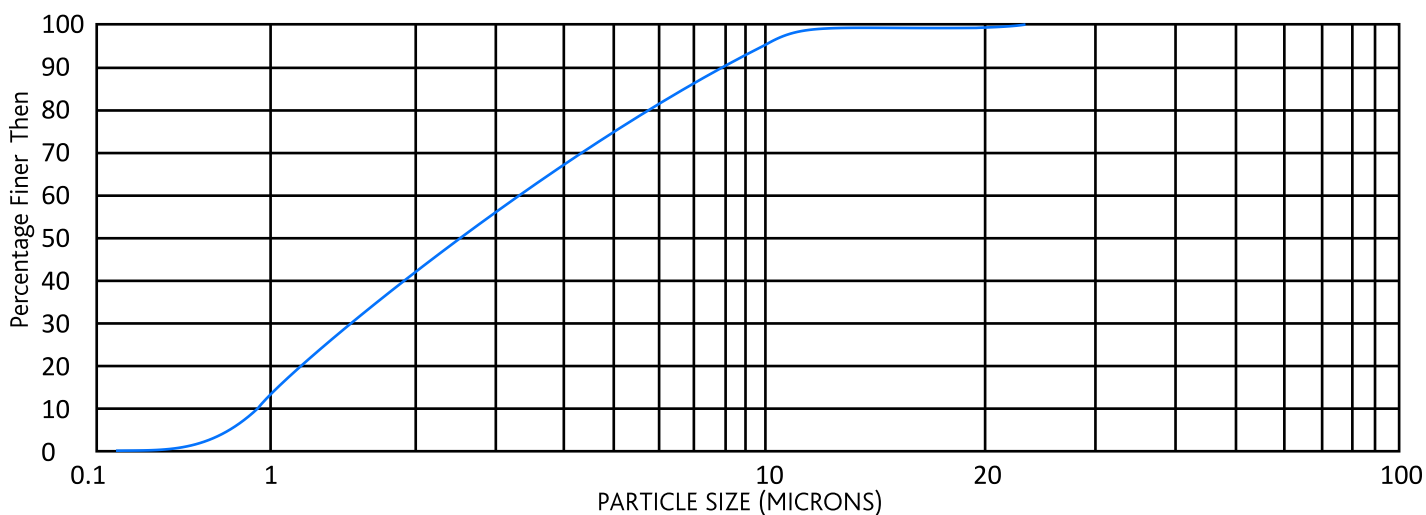
GRADE A



HIND CALCIUM CARBONATES ARE MANUFACTURED FROM DEPOSITS OF HIGH PURITY AND BRIGHTNESS IMPARTING OUTSTANDING QUALITY. OUR PRODUCTS ARE ULTRA FINE AND SURFACE MODIFIED TO AUGMENT END USER PERFORMANCE.

TYPICAL PHYSICAL PROPERTIES					
SPECIFICATION	UNIT	S3C	C3C	P3C	I3C
SURFACE TREATMENT		TREATED	TREATED	TREATED	TREATED
MEDIAN PARTICLE SIZE	µm	2.8±0.3	2.8±0.3	2.8±0.3	2.8±0.3
DRY BRIGHTNESS	%	95.5	94.5	94.5	95.5
OIL ABSORPTION (ml/100gm)	%	19.0±2.0	19.0±2.0	19.0±2.0	19.0±2.0
MOISTURE	%	0.02	0.02	0.02	0.02
BULK DENSITY (TEST AT 10 MECHANICAL STROKE)	gm/cm ³	0.77 ± 0.03	0.77 ± 0.03	0.77 ± 0.03	0.77 ± 0.03
RESIDUE (IN 500 SIEVE)	%	NIL	NIL	NIL	NIL
TYPICAL CHEMICAL ANALYSIS					
CALCIUM CARBONATE	%	88 ± 2	90 ± 2	93 ± 2	96 ± 2
MAGNESIUM CARBONATE	%	10 ± 2	8 ± 2	5 ± 2	3 ± 1
ACID INSOLUBLE	%	2 Max	2 Max	2 Max	1 Max
OTHER PROPERTIES					
COLOUR		White			
pH (10% Aq. SLURRY)		7.5			
HARDNESS		3 Mohs			
PARTICLE SHAPE		Spherical, Rounded			
SPECIFIC GRAVITY		2.7			
REFRACTIVE INDEX		1.6			

TYPICAL PARTICLE SIZE DISTRIBUTION GRAPH



Recommended Applications

- PVC Compounding
- Thermoplastic Compounding
- EVA Compounding
- PVC Pipes And Profiles
- Vinyl Flooring
- Polymer Masterbatch



Quality is an important ingredient in all the products. Our processes are certified to QMS and EMS standards which ensure high performing product with consistency.

HINDCAL ULTRA FINE SERIES

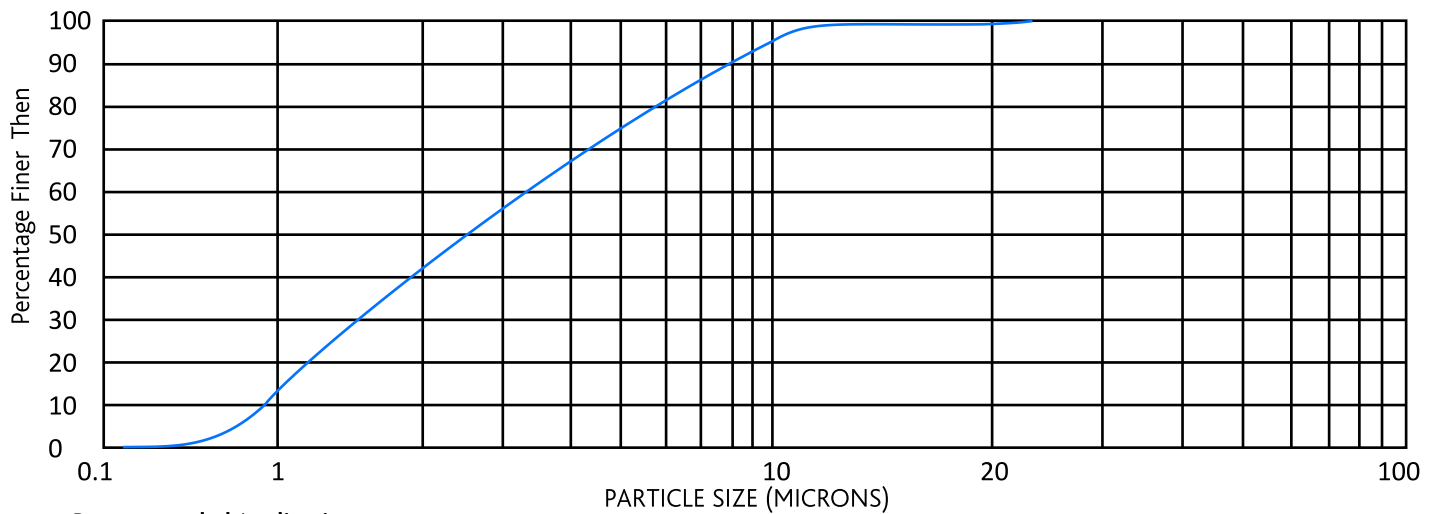
GRADE B



HIND CALCIUM CARBONATES ARE MANUFACTURED FROM DEPOSITS OF HIGH PURITY AND BRIGHTNESS IMPARTING OUTSTANDING QUALITY. OUR PRODUCTS ARE ULTRA FINE AND SURFACE MODIFIED TO AUGMENT END USER PERFORMANCE.

TYPICAL PHYSICAL PROPERTIES					
SPECIFICATION	UNIT	S3	C3	P3	I3
SURFACE TREATMENT					
MEDIAN PARTICLE SIZE	µm	2.8±0.3	2.8±0.3	2.8±0.3	2.8±0.3
DRY BRIGHTNESS	%	95.5	94.5	94.5	95.5
OIL ABSORPTION (ml/100gm)	%	21.0±2.0	21.0±2.0	21.0±2.0	21.0±2.0
MOISTURE	%	0.02	0.02	0.02	0.02
BULK DENSITY (TEST AT 10 MECHANICAL STROKE)	gm/cm ³	0.59 ± 0.03	0.59 ± 0.03	0.59 ± 0.03	0.59 ± 0.03
RESIDUE (IN 500 SIEVE)	%	NIL	NIL	NIL	NIL
TYPICAL CHEMICAL ANALYSIS					
CALCIUM CARBONATE	%	88 ± 2	90 ± 2	93 ± 2	96 ± 2
MAGNESIUM CARBONATE	%	10 ± 2	8 ± 2	5 ± 2	3 ± 1
ACID INSOLUBLE	%	2 Max	2 Max	2 Max	1 Max
OTHER PROPERTIES					
COLOUR	White				
pH (10% Aq. SLURRY)	9.4				
HARDNESS	3 Mohs				
PARTICLE SHAPE	Spherical, Rounded				
SPECIFIC GRAVITY	2.7				
REFRACTIVE INDEX	1.6				

TYPICAL PARTICLE SIZE DISTRIBUTION GRAPH



Recommended Applications

- Paper
- Polymers
- PVC Compounding
- Paint and Coating
- Flex
- Ceramics
- Non-Abrasive Cleansers
- Automotive Body Parts
- Adhesives & Sealants



Quality is an important ingredient in all the products. Our processes are certified to QMS and EMS standards which ensure high performing product with consistency.

HINDCAL FINE SERIES

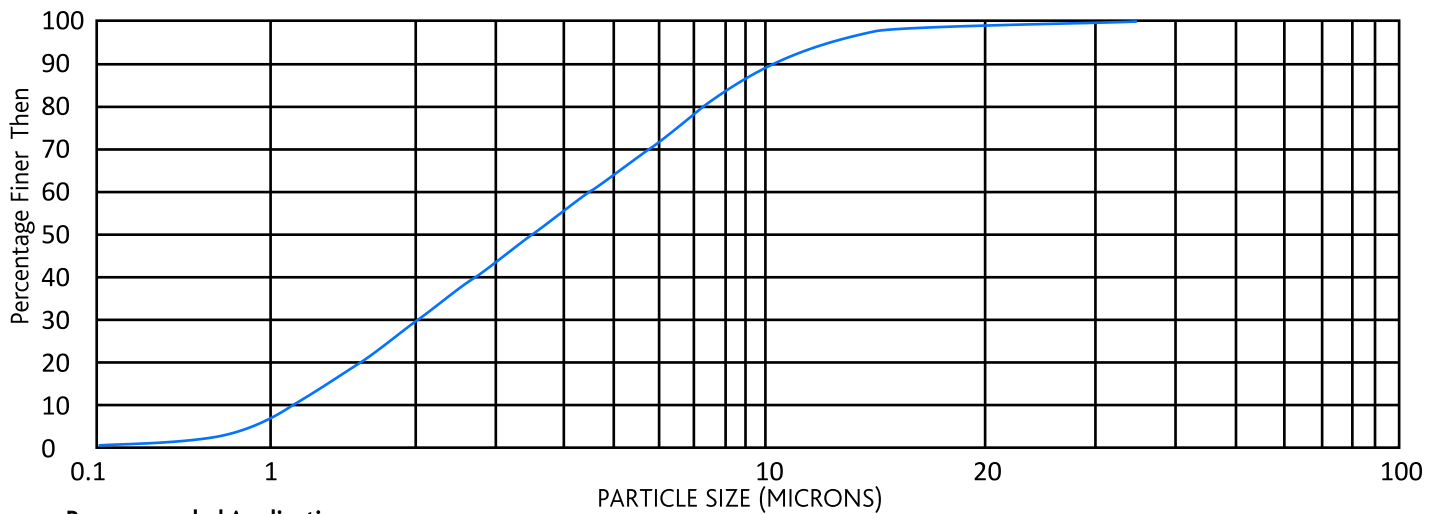
GRADE B



HIND CALCIUM CARBONATES ARE MANUFACTURED FROM DEPOSITS OF HIGH PURITY AND BRIGHTNESS IMPARTING OUTSTANDING QUALITY. OUR PRODUCTS ARE ULTRA FINE AND SURFACE MODIFIED TO AUGMENT END USER PERFORMANCE.

TYPICAL PHYSICAL PROPERTIES					
SPECIFICATION	UNIT	S4	C4	P4	I4
SURFACE TREATMENT					
MEDIAN PARTICLE SIZE	µm	3.7±.03	3.7±.03	3.7±.03	3.7±.03
DRY BRIGHTNESS	%	96.5	95.0	95.0	96.5
OIL ABSORPTION (ml/100gm)	%	19.0±2.0	19.0±2.0	19.0±2.0	19.0±2.0
MOISTURE	%	0.02	0.02	0.02	0.02
BULK DENSITY (TEST AT 10 MECHANICAL STROKE)	gm/cm ³	0.69 ± 0.03	0.69 ± 0.03	0.69 ± 0.03	0.69 ± 0.03
RESIDUE (IN 500 SIEVE)	%	NIL	NIL	NIL	NIL
TYPICAL CHEMICAL ANALYSIS					
CALCIUM CARBONATE	%	88 ± 2	90 ± 2	93 ± 2	96 ± 2
MAGNESIUM CARBONATE	%	10 ± 2	8 ± 2	5 ± 2	3 ± 1
ACID INSOLUBLE	%	2 Max	2 Max	2 Max	1 Max
OTHER PROPERTIES					
COLOUR		White			
pH (10% Aq. SLURRY)		9.4			
HARDNESS		3 Mohs			
PARTICLE SHAPE		Spherical, Rounded			
SPECIFIC GRAVITY		2.7			
REFRACTIVE INDEX		1.6			

TYPICAL PARTICLE SIZE DISTRIBUTION GRAPH



Recommended Applications

- Paint and Coating
- Polymers
- PVC Footwear
- PVC Compounding
- Urethanes
- Paper
- Non-Abrasive Cleansers
- Automotive Body Parts
- Adhesives & Sealants
- Rubber



Quality is an important ingredient in all the products. Our processes are certified to QMS and EMS standards which ensure high performing product with consistency.

CHLORINATED PARAFFIN

CLEAR LIGHT PALE YELLOW VISCOUS LIQUID FORMALIZED FOR USE IN WIDE RANGE OF INDUSTRIAL APPLICATIONS INCLUDING FLAME RETARDANTS AND PLASTICIZERS



CHLOROPARAFFIN - LV SERIES

TYPICAL PROPERTIES	UNIT	TEST METHOD	GRADE A	GRADE B	GRADE C	GRADE D
SPECIFIC GRAVITY (AT 27° C)	-	IS 14426 : 1997	1.20 ± 0.01	1.30 ± 0.01	1.40 ± 0.01	1.50 ± 0.01
COLOUR	HAZEN	IS 9591 : 1996	20 Max	20 Max	20 Max	20 Max
VOLATILE LOSS (AT 130°C FOR 3 HRS)	%	IS 14426 : 1997	7.0	5.0	3.0	2.0
CHLORINE CONTENT	%	IS 14426 : 1997	46 ± 1	53 ± 1	59 ± 1	65 ± 1
FREE MINERAL ACIDITY	%	IS 14426 : 1997	0.01	0.01	0.01	0.01
VISCOSITY (AT 27°C) BROOKFIELD VISCOMETER	POISE	IS 3944 : 1982	0.5 - 1	7 -10	55 - 77	600 - 700
HEAT STABILITY (AT 180° C FOR 30 MINUTUS)	COLOUR	IS 14426 : 1997	Light Yellow	Light Yellow	Light Yellow	Light Yellow
THERMAL STABILITY (AT 175° C FOR 4 HOURS)	%	IS 14426 : 1997	0.10	0.10	0.10	0.10
FREE CHLORINE	%		NIL	NIL	NIL	NIL
pH VALUE	-		6.0	6.0	6.0	6.0

CHLOROPARAFFIN - HV SERIES

TYPICAL PROPERTIES	UNIT	TEST METHOD	GRADE A	GRADE B	GRADE C	GRADE D
SPECIFIC GRAVITY (AT 27° C)	-	IS 14426 : 1997	1.20 ± 0.01	1.30 ± 0.01	1.40 ± 0.01	1.50 ± 0.01
COLOUR	HAZEN	IS 9591 : 1996	75 Max	75 Max	70 Max	70 Max
VOLATILE LOSS (AT 130°C FOR 3 HRS)	%	IS 14426 : 1997	1.0	1.0	0.8	0.5
CHLORINE CONTENT	%	IS 14426 : 1997	46 ± 1	52 ± 1	58 ± 1	64 ± 1
FREE MINERAL ACIDITY	%	IS 14426 : 1997	0.01	0.01	0.01	0.01
VISCOSITY (AT 27°C) BROOKFIELD VISCOMETER	POISE	IS 3944 : 1982	10 - 12	18 -20	300 -350	1000 -2000
HEAT STABILITY (AT 180° C FOR 30 MINUTES)	COLOUR	IS 14426 : 1997	Dark Yellow	Dark Yellow	Dark Yellow	Dark Yellow
THERMAL STABILITY (AT 175° C FOR 4 HOURS)	%	IS 14426 : 1997	0.10	0.10	0.10	0.10
FREE CHLORINE	%		NIL	NIL	NIL	NIL
pH VALUE	-		6.0	6.0	6.0	6.0

Recommended Applications

- PVC Compounding
- Rexine Cloth
- Flexible Pipe
- PVC Profile
- Vinyl Flooring
- PVC Film
- Footwear
- Paint and Oil
- Sealant
- Gear Oil



Quality is an important ingredient in all the products. Our processes are certified to QMS and EMS standards which ensure high performing product with consistency.

HYDROCHLORIC ACID



HYDROCHLORIC ACID IS A CLEAR HIGHLY PUNGENT SOLUTION OF HYDROGEN CHLORIDE IN WATER. IT IS EXTREMELY IMPORTANT PRODUCT IN CHEMICAL INDUSTRY AND USED IN MANY INDUSTRIAL PROCESSES

HIND HCL

TYPICAL PHYSICAL PROPERTIES	UNIT	
COLOUR		CLEAR LIQUID
SPECIFIC GRAVITY		1.14 - 1.16
PURITY	%	30 - 33
ODOR		TYPICAL CHLORINE ODOR

Recommended Applications

- De-rusting Metal
- Salt Purification Process
- Leather Tanning Process
- Manufacturing of Organic Compounds such as Vinyl Chloride and Dichloroethene
- Domestic and Industrial Cleaning Agent
- Industrial Regent
- Regulate ph level
- Production of Inorganic Compound
- Production of Polyaluminium Chloride (PAC) which is used in waste water treatment,
- Drinking Water Treatment and Paper Industry



Quality is an important ingredient in all the products. Our processes are certified to QMS and EMS standards which ensure high performing product with consistency.

INDUSTRIAL FUELS



RELIANCE INDUSTRIAL FUELS ARE ADVANCED SOLUTION USED IN APPLICATIONS FOR GENERATING HEAT AND ENERGY IN PROCESSES. THESE FUELS CAN HELP IMPROVE THE RELIABILITY, PERFORMANCE & EFFICIENCY OF THE ENTIRE SYSTEM.

TYPICAL PROPERTIES	UNIT	FURNACE OIL GRADE A	FURNACE OIL GRADE B	CIX	CBFS	PETCOKE
SPECIFIC GRAVITY (AT 15° C)	kg/m ³	1.070-1.080	1.020 - 1.030	0.925-0.935	0.980-1.020	
ACIDITY INORGANIC	mg KOH/g	NIL	NIL	NIL	NIL	
GROSS CALORIFIC VALUE	kcal/kg	9875	10000	10700	10000	8000
ASH CONTENT	%	0.10	0.039	0.05	0.08	1.00
FLASH POINT (PMCC)	°C	126	100	48	>66	
KINEMATIC VISCOSITY (AT 50° C)	cSt	136.6	200	2	10-18	
SEDIMENT	%	0.07	0.07	0.01	0.01	0.01
TOTAL SULPHUR	%	0.08	1.58	0.03	0.03	7.00
WATER CONTENT	%	0.10	0.10	0.10	0.10	0.10

Recommended Applications

- Furnaces
- Boilers
- Thermopack
- Oven



Quality is an important ingredient in all the products. Our processes are certified to QMS and EMS standards which ensure high performing product with consistency.