

Barium Sulfate

Cimbar and MitiWite

White, Natural, 98% Purity Grades & Synthetic/Chemically Modified Grades

Typical Physical & Chemical Properties

Barium Sulfate (BaSO ₄)	98.0 – 99.0
Silica	<0.60
Ferric Oxide (Fe ₂ O ₃)	0.02
Refractive Index	1.60
Loss on Ignition (H ₂ O)	0.75
Specific Gravity	4.40
pH	7.5 – 9.5

WHITE COLOR, NATURAL – 98% PURITY – GA, IN, TX, TN

WHITE, SYNTHETIC/BENEFICIATED – 98% PURITY – GA, TX

Product	Cimbar 10	Cimbar EX	Cimbar UF	Cimbar XF	Cimbar W4	Cimbar 325	Cimbar BF Blanc Fixe Precipitated	MitiWite B1	MitiWite B10
Median Particle Size	1.0	1.3 – 1.4	2.0	3.1	4	7 – 9	0.7	1.5	10
Hunter "L" Brightness	96	96	95 - 96	93 - 95	93 - 95	93 - 95	98	97 - 98	97 - 98
Oil Absorption	16	15	13	13	12	10	16	16	10
Retained 325 Mesh (%)	0	0	0	0	0	0.1	0	0	0.5
Bulk Density (lb./ft ³) Compacted	97	100	100	115	125	150	80	100	150
Hegman	7+	7	6.5	6	5	4	8	7	3
Free Moisture Max.	0.2	0.15	0.15	0.15	0.10	0.10	0.2	<0.2	<0.2
Markets									
Paint/Coatings	X	X	X	X	X	X	X	X	X
Powder Coatings	X	X	X	X	X	X	X	X	X
Plastics/Elastomers	X	X	X	X	X	X	X	X	X
Adhesives/Sealants				X	X	X			X
Friction						X	X		
TiO ₂ Extender	X	X	X	X			X	X	
Battery Expander	X			X			X	X	
Carpet Backing						X			
Refractories				X		X			
X-ray Shielding						X			X
Copper Smelting/ Mold Release				X		X			
Ceramics						X			
Sound Deadening						X			

LOCATIONS – Chatsworth, GA, Mt. Vernon, IN, Houston, TX, Dyersburg, TN, Corpus Christi, TX

Cimbar Resources, Inc. | 49 Jackson Lake Rd. | Suite O | Chatsworth, GA 30705

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www.cimbarresources.com

CIMBAR

RESOURCES INC

April 17, 2024

Barium Sulfate

Barimite, Bara and Baraweight

71% - 96% Purity, Natural, Buff Color Grades

Typical Physical & Chemical Properties

Barium Sulfate (BaSO ₄)	88.0 – 96.0
Silica	>0.40
Ferric Oxide (Fe ₂ O ₃)	0.2
Loss on Ignition (H ₂ O)	0.75
Specific Gravity	3.7 – 4.3
pH	7.5 – 9.5

BUFF COLOR – 71% - 92% PURITY* - TN, TX, GA, OH

BUFF COLOR – 93% - 96% PURITY* - GA, TX, TN

Product	Bara 325	Bara C	Bara 200	Baraweight 50	Barimite XF	#22 Barytes	Barimite 200
Median Particle Size	10	10	15	18	3	8	12 - 15
Oil Absorption	10	12	9	4 - 5	12	9	7
Retained 325 Mesh (%)	2	2	10	8	0	0.1	2
Bulk Density (lb./ft ³) Compacted	140	115	150	160	115	135	155
Hegman	3	2	2	1	6	4	2
Free Moisture Max.	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Markets							
Paint/Coatings					X	X	X
Powder Coatings					X		
Plastics/Elastomers	X			X	X	X	X
Adhesives/Sealants	X		X		X	X	
Friction	X		X			X	X
Carpet Backing				X		X	
Refractories					X	X	
X-ray Shielding						X	
Copper Smelting Mold Release	X		X				
Ceramics						X	
Sound Deadening	X	X				X	

*Color ranges from 82-89 L – Color measured but not certified – LOCATIONS – Dyersburg, TN, Houston, TX, Chatsworth, GA, Wellsville, OH

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