

# Barium Sulfate

## Cimbar, Bartex, ExBar W, MitiWite, Bariscan

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

### Typical Physical & Chemical Properties

Barium Sulfate (BaSO <sub>4</sub> )	98.0 – 99.0
Silica	<0.60
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.02
Refractive Index	1.60
Loss on Ignition (H <sub>2</sub> 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	Bartex 10	Cimbar EX Bartex 65/OWT ExBar W1	Cimbar UF Bartex 25 ExBar W2	Cimbar XF ExBar W3	ExBar W4	Cimbar 325 Bartex 80 ExBar W 400 W325*	Cimbar BF (Blanc Fixe – Precipitated)	MitiWite B1	MitiWite B10	Bariscan Ultra (USP)**	Bariscan Elite (USP)**
Median Particle Size	1.0	1.3 – 1.4	2.0	3.1	4	7 – 9	0.7	1.5	10	10	1.5
Hunter “L” Brightness	96	96	95 - 96	93 - 95	93 - 95	93 - 95	98	97 - 98	97 - 98	97 - 98	97 - 98
Oil Absorption	16	15	13	13	12	10	16	16	10	10	13
Retained 325 Mesh (%)	0	0	0	0	0	0.1	0	0	0.5	0.5	0
Bulk Density (lb./ft <sup>3</sup> ) Compacted	97	100	100	115	125	150	80	100	150	150	100
Hegman	7+	7	6.5	6	5	4	8	7	3	3	7
Free Moisture Max.	0.2	0.15	0.15	0.15	0.10	0.10	0.2	<0.2	<0.2	<0.2	<0.2
<b>Markets</b>											
Paint/ Coatings	X	X	X	X	X	X	X	X	X	X	X
Powder Coatings	X	X	X	X	X	X	X	X	X	X	X
Plastics/Elastomers	X	X	X	X	X	X	X	X	X	X	X
Adhesives/Sealants				X	X	X			X	X	
Friction						X	X				
TiO <sub>2</sub> Extender	X	X	X	X			X	X			X
Battery Expander	X			X			X	X			
Carpet Backing						X					
Refractories				X		X					
X-ray Shielding						X			X	X	
Copper Smelting/ Mold Release				X		X					
Ceramics						X					
Sound Deadening						X					

\*Slightly Coarser Grade than W400 - LOCATIONS – Chatsworth, GA, Mt. Vernon, IN, Houston, TX, Dyersburg, TN, Corpus Christi, TX

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\*\*USP = United States Pharmacopeia – Bacteria/Mold testing done on these products

**CIMBAR**

RESOURCES INC

Revision: 1  
September 26, 2023

# Barium Sulfate

Barimite, ExBar, Bara, Baraweight

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

## Typical Physical & Chemical Properties

Barium Sulfate (BaSO <sub>4</sub> )	88.0 – 96.0
Silica	>0.40
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.2
Loss on Ignition (H <sub>2</sub> 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 ExBar 400	ExBar 325	ExBar C	ExBar 200	Baraweight 50	ExBar HD 2	Barimite XF ExBar HD 3	ExBar HD 4	#22 Barytes ExBar HD 400	ExBar HD 325	Barimite 200 ExBar HD 200
Median Particle Size	10	11	10	15	18	2	3	4	8	10	12 - 15
Oil Absorption	10	10	12	9	4 - 5	13	12	12	9	8	7
Retained 325 Mesh (%)	2	2	2	10	8	0	0	0	0.1	2.0	2
Bulk Density (lb./ft <sup>3</sup> ) Compacted	140	145	115	150	160	105	115	120	135	145	155
Hegman	3	3	2	2	1	6.8	6	5	4	3	2
Free Moisture Max.	0.15	0.15	0.15	0.15	0.15	0.2	0.15	0.15	0.15	0.15	0.15
<b>Markets</b>											
Paint/Coatings						X	X	X	X		X
Powder Coatings						X	X				
Plastics/Elastomers	X	X			X	X	X	X	X	X	X
Adhesives/Sealants	X	X		X			X		X	X	
Friction	X	X		X					X	X	X
Carpet Backing					X				X		
Refractories							X		X		
X-ray Shielding									X		
Copper Smelting/ Mold Release	X	X		X							
Ceramics									X		
Sound Deadening	X	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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