

# ProductData



## Barytes - High Brightness Grade (Ground Barium Sulfate)

C.A.S. Number: 7727-43-7

### Applications:

Fine ground barytes is used as a filler in rubber and plastics where it's low binder demand is advantageous. The high specific gravity and low vehicle demand make it desirable for use in high density compositions.

Industrial primers, trade sale paints, gloss enamels

and powder coatings are a few of the many uses for these filler / extender pigments.

Also known as "Barite" and "Permanent White".

See also: Low Brightness and Bleached Grades.

For Precipitated Barium sulfate see "Blanc Fixe".

**Note:** Specific Product application recommendations are available on request.

BSI Code	110	112-A				
	(HB1)	(HB10)				
<b>TYPICAL CHEMICAL ANALYSIS:</b>						
BaSO <sub>4</sub> - Barium Sulfate (%)	94.0	94.0				
SiO <sub>2</sub> - Silica and Silicates (%)	4.2	4.2				
Other (%)	0.5	0.5				
CaCO <sub>3</sub> - Calcium Carbonate (%)	1.3	1.3				
Moisture (% max.)	0.20	0.20				
Loss on Ignition (% max.)	1.0	1.0				
<b>TYPICAL PHYSICAL PROPERTIES:</b>						
Median Particle Size (microns)	1.1	9.0				
Dry Brightness (min.)	95	95				
Specific Gravity	4.39	4.39				
pH Value	8.5 - 9.5	8.5 - 9.5				
Tapped Density (lbs./ft. <sup>3</sup> )	90	130				
Loose Density (lbs./ft. <sup>3</sup> )	60	100				
Pounds / solid gallon	36.3	36.3				
One Pound Bulks, (gallons)	0.0270	0.0270				
Oil Absorption	13	8.5				
Hegman Fineness	6.5	3.0				
Specific Surface Area (m <sup>2</sup> /g)	3.6	0.4				
% Thru 325 Mesh	99.95	99.4				

**Note:** HB3 - BSI 106 has been replaced with Cimbar XF. HB7 - BSI 104 has been replaced with Cimbar 325

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