



BARIUM SULPHATES

FUNCTIONAL MINERALS

RBH'S OFFERS A LONG ESTABLISHED PORTFOLIO OF NATURAL AND PRECIPITATED BARIUM SULPHATES.

Available in both finely precipitated - SintaBar® - and naturally ground forms (generically barytes) - Supreme & AmBar - Barium Sulphates are extremely versatile products, utilised to great effect across a wide range of industrial applications. Key to the widespread use is the unique balance of high density with the low hardness, virtual chemical inertness, X-ray absorbance and distinct colour.

// PLASTICS: Barium Sulphates can be incorporated into polymers at very high loading rates, due to a low resin demand and a good processing rheology. In terms of physical property improvements, they promote excellent impact strength, sound and vibration deadening properties – and are widely used for aesthetic purposes, by adding a sense of value to the feel consumer goods, whilst delivering outstanding colour. The extremely fine grades, under development, are to be used in transparent films.

// COATINGS: Applied as a white pigment extender and functional filler across the coatings sector, key performance benefits include improved durability, strength, rheology and overall compatibility with other pigments. Our popular Barytes MicroSupreme 20 grade is widely used for textured coatings, whilst our SintaBar® precipitated products offer excellent solutions for powder coatings and more critical formulations including transparent finishes.

KEY APPLICATIONS

Adhesives & Sealants, Friction Materials, GF/ CF Composites, Inks
Oil, Gas & petrochem, Plastic Films, Powder Coatings, Protective Coatings, Refractories, Resin Flooring, Rubber Linings and Thermoplastic Compounds



// PRECIPITATED BARIUM SULPHATE - SINTABAR® (L* 98.00)

Precipitated Barium Sulphate, also known generically as blanc fixe, is ideal for applications requiring exceptional colour, surface finish, purity and ease of incorporation. The long established SintaBar®P2NF is a leading grade offering a finer and whiter alternative to the natural products; the SintaBar® range is being continually extended to meet market requirements.

SintaBar® P2NF	d50 <2.0	d97 <6.0
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// NATURAL WHITE BARYTES (L* 94.00)

Produced from carefully selected feedstock, these tightly controlled milled products are very low colour (high L*) natural grades with a consistent particle size distribution - ideally suited to the coatings, thermoplastics, and elastomer sectors. Named by their associated top size, the low colour consistency is due to low levels of contaminants, most notably iron oxide.

Supreme 45	d50 <13.5	d97 <40.0
MicroSupreme 20	d50 <6.5	d97 <20.0
MicroSupreme 15	d50 <4.0	d97 <16.0
MicroSupreme 5	d50 <2.5	d97 <6.0

// NATURAL OFF WHITE BARYTES AMBAR® (L* 80.00 - 85.00)

Coarser milled grades are produced for applications where low resin demand, good rheology and viscosity are required, or where low colours and cost are key drivers. Typical applications include, sound deadening or chemically resistant linings in elastomers and thermoplastic compounds. We can offer further specialist low lead content products, designed to meet friction industry requirements.

AmBar® 80	d50 <28.0	d97 <85.0
AmBar® 45	d50 <13.0	d97 <40.0
AmBar® 20	d50 <6.5	d97 <20.0