



## Barytes-3

### ABOUT THE PRODUCT:

The product is a Micronized Barium Sulphate having good whiteness. It finds wide spread use as a heavy inert filler due to its high bulk density, insolubility in water, resistance to acids and alkalis, low abrasiveness and high refractive index. It is a good extender for primers having good filling properties and provides high chemical resistance and smoothness to under coats.

### PHYSIOCHEMICAL PROPERTIES

PROPERTY	UNIT	VALUE (Off White)
Whiteness(Compared to Mgo)	%	80±2
Bulk Density*	gm/cc	1.4-1.6
pH Value 2% aqueous slurry	-	9.2-9.5
Average Particle Size	micron	5-6
Residue on 500 mesh	% max	0.80
Water absorption	%	12-15
SiO <sub>2</sub>	%	0.50
BaSO <sub>4</sub>	%	95 min
Fe <sub>2</sub> O <sub>3</sub>	% max	0.10
Moisture	% max	0.5
Packing	Kg/bag	50
Specific Gravity	--	4.2
Refractive Index	--	1.63

\* At the time of packing

### ADVANTAGE OF OUR PRODUCTS IN PAINTS:

- Part of white pigment like Titanium-dioxide (10% or more) can be replaced without loss of opacity.
- Give faster surface and through drying in product which also stand up better to abrasive treatment.
- Excellent substrates for high gloss finish as they ensure good leveling out.
- Act as anti-settling agents for pigments and fillers. The viscosity of decorative paints containing our product is highly constant over extended periods of time. Being basic, they also have positive effect on storage stability.
- Give excellent thixotropy and facilitate drip less application.

### ADVANTAGES IN RUBBER:

The particles of the filler used interact with the polymer, thus changing the properties of the mix and vulcanized material. For a filler with definite chemical composition, this interaction becomes more intensive as the surface area of the filler particles increases. Due to fine micronization of our products, they have very large surface area and thus give excellent properties in terms of tensile strength, modulus and resistance to tear and abrasion. They are particularly suitable for soling and micro cellular sheets as they give relatively fast cures and enable production of soling materials to be streamlined.

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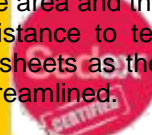
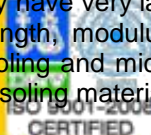
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Replaces: None

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