



Technical Data Sheet

EBM 1 EX

Natural and fine Barium Sulphate powder which has high purity, very low abrasion by reason of very low SiO₂ content and very high whiteness because of low very Fe₂O₃. Raw material is from own mine in Konya, micronized in our own facility in Aksaray / Türkiye,

Usage areas: functional filler in Powder, Industrial, Epoxy coating, Polymers and elastomers Sound deadening in sewer pipe and automotive applications.

Particle Size Distribution and Colour Values

d50 (µm)	3	Malvern Mastersizer	1.9	Sympatec
d97 (µm)	10.5	Malvern Mastersizer	8.8	Sympatec
Sieve Residue, +45 µm		0.0001		Wet sieved
Y - brightness	CIE XYZ	88.0		Datacolor
L* -lightness	CIELAB, D65-10	94.5		Datacolor
a*	CIELAB	1.5		Datacolor
b*	CIELAB	4.60		Datacolor

Chemical Properties

Barium Sulphate	BaSO ₄	95.00%	XRF
Strontium sulphate	SrSO ₄	1.50%	XRF
Silicium dioxide	SiO ₂	0.90%	XRF
Iron oxide	Fe ₂ O ₃	0.40%	XRF
Calcium oxide	CaO	1.50%	XRF
L.O.I.		0.50%	1000°C, 1 hour

Fully compliant to EU COMMISSION 2011/65/EU (SVCH) and
EN 71-3 Safety of toys - Part 3: Migration of certain elements

Physical Properties

Moisture	%	0.20	ISO 787/2
Oil Absorption	gr/100gr	16	ISO 787/5
pH		8.5	ISO 787/9
Density	gr/cm ³	4.35	ISO 787/10
Bulk Density	gr/cm ³	1.70	ISO 787/11
Conductivity	µS/cm	80	ISO 787/14
Refractive Index		1.63	Standard
Hardness	Mohs'	3.25	Mohs' Scale

EFE BARİT MADENCİLİK VE DIŞ TİCARET LTD ŞTİ.

İnkılap Mah. Küçüksu Cad. İstanbul Plaza No:107/21 34768 Ümraniye / İstanbul
Tel: +90216 634 6464 info@efemaden.com.tr www.efemaden.com.tr

