

Barite 5STD

Product Specifications

Natural, ultra fine barium sulphate manufactured from medium purity and grey baryte.

Raw Material

Local Quarries.

Chemical Properties

BaSO ₄	> 90 %
SiO ₂	< 1 %
Fe ₂ O ₃	< 0,5 %
CaO	< 2,5 %
Al ₂ O ₃	< 0,1 %

Physical Properties

Density (ISO 787-10)	4,26 gr/cm ³
Hardness	3,25 Moh's
Refractive Index	1,64

General Properties

Brightness (Ry, DIN 53163) Elrepho 450X	> 80 %
Moisture-Ex. works (ISO 787-2)	< 0,1 %
pH (ISO 787-9)	8,5
Oil Absorption (ISO 787-5)	12 g/100 g
Packed Bulk Density (ISO 787-11)	2,1 g/ml
Packing	40 kg kraft paper bags as bulk in 1000 kg big bags

Main Applications

- Paint
 - Oil, solvent based paints
 - Static powder paints
- Chemicals
 - Adhesives
 - Insulation Materials

Particle Size Distribution

d50 (mean particle size)	2,8 µm
d98 (top-cut)	15 µm
Under 2 µm particles	38 %

Residue on 45 µm sieve (ISO 787-7) < 0,1 %