

# Barite 5EXT

## Product Specifications

Natural, ultra fine barium sulphate manufactured from high purity and whiteness baryte.

## Raw Material

Local Quarries.

## Chemical Properties

|                                |         |
|--------------------------------|---------|
| BaSO <sub>4</sub>              | > 95 %  |
| SiO <sub>2</sub>               | < 0,2 % |
| Fe <sub>2</sub> O <sub>3</sub> | < 0,1 % |
| CaO                            | < 1,5 % |
| Al <sub>2</sub> O <sub>3</sub> | < 0,1 % |

## Physical Properties

|                      |                         |
|----------------------|-------------------------|
| Density (ISO 787-10) | 4,38 gr/cm <sup>3</sup> |
| Hardness             | 3,25 Moh's              |
| Refractive Index     | 1,64                    |

## General Properties

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| Brightness (Ry, DIN 53163) Elrepho 450X | > 88 %                                                |
| Moisture-Ex.works (ISO 787-2)           | < 0,1 %                                               |
| pH (ISO 787-9)                          | 8,9                                                   |
| Oil Absorption (ISO 787-5)              | 13 g/100 g                                            |
| Packed Bulk Density (ISO 787-11)        | 2 g/ml                                                |
| Packing                                 | 40 kg kraft paper bags<br>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) | 2,9 µm |
| d98 (top-cut)            | 14 µm  |
| Under 2 µm particles     | 38 %   |

Residue on 45 µm sieve (ISO 787-7) < 0,05 %