



Characteristics:

Fluorspar is a **common, relatively soft, isometric mineral** primarily used for its **fluorine content**, which makes it valuable for a lot of technical applications.

Processing:

Most fluorspars need upgrading. Simplest is hand-sorting, crushing, screening followed by gravity concentration. **Heavy media cone** and **drum separators** suitable for coarse sizes from 0.5 to 3.8 cm. For finer size, **heavy media cyclone processes** are used. Further methods are **heavy media and froth flotation**.

Sources:

Fluor spar distributed by Scheruhn Industrie-Mineralien origins from **China**. Other countries to mine fluor spar are Mexico, Mongolia, Russia, South Africa and USA.

Applications:

Used as a **flux in the ceramic body**, lowering the melting temperature. It's also used to produce **hydrofluoric acid** and as a base material for **optical lenses and opalescent glass**.

Specification - Fluor spar Acid Grade:

| | |
|-------------------------------|--------------------------------|
| CaF ₂ | min. 97.00 % |
| SiO ₂ | max. 1.00 % |
| CaCO ₃ | max. 1.00 % |
| Total Sulfur | max. 0.03 % |
| Sulfide Sulfur | max. 25 ppm |
| P ₂ O ₅ | max. 0.03 % |
| AS | max. 3 ppm |
| Organic parts | max. 800 ppm |
| Humidity | max. 10.00 % |
| Grain size: < 100 mesh | min. 80 % |
| Loss on ignition | 1.5 % (min/max: 0.5 % / 2.5 %) |

Bibliography:

- [Wikipedia](#), version 4. March 2009
- Manufacturer's data

Our product range:



Please contact us for more information about specific products (link: [Contact and inquiries](#)). We are looking forward to provide you with professional advise and a free quote.

It's a matter of course that we are also on your side with professional advise and offer detailed product-specific datasheets as well as further technical documentation.