Bitumen Hormoz Pars

Fluorspar Specification

Description:

Fluorspar, also known as fluorite (CaF_2), is a naturally occurring mineral composed primarily of calcium fluoride. It is widely used in metallurgy, chemical industry, glass, ceramics, and other industrial applications due to its ability to lower melting points, act as a flux, and improve fluidity during smelting and processing.

Applications:

- **Metallurgy**: Used as a flux in steelmaking and aluminum production to remove impurities and improve fluidity.
- **Chemical Industry**: Raw material for producing hydrofluoric acid (HF) and fluoride-based chemicals.
- **Glass & Ceramics**: Reduces viscosity in molten glass, improves transparency, and lowers firing temperature.
- **Cement & Refractories**: Acts as a flux to enhance thermal stability and reduce melting temperature.

Packing:

- Palletized bag in container
- 1 m^3 jumbo bags in container

Health and Safety:

- Chemically stable under normal conditions.
- Avoid inhalation of dust; use masks, gloves, and protective eyewear.
- Store in a cool, dry, and well-ventilated area.
- Keep away from strong acids to prevent HF gas formation.
- Dispose of waste according to local environmental regulations.

Fluorspar Analysis

Component	Typical (%)
CaF_2	75-98
CaO_3	0.5-10
SiO_2	0.2-12
S	0.1-0.2
L.O.I	2 max

Physical Properties

Property	Specification (Typical)

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Add: No.11,Golkhane St, Nelson Mandella Blvd, Tehran, Iran

Appearance	Translucent to white crystalline mineral
Specific Gravity	3.0 – 3.2 g/cm³
Property	**Specification (Typical)**
Mohs Hardness	4
Melting Point	1360 °C
Bulk Density	1.8 – 2.0 g/cm³
Moisture Content	≤0.5 %
Fluorspar Raw & Powder	**Applications**
	

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