

Product Data Sheet

Fluorspar — Ceramic Grade

Description

Description	Ceramic grade fluorspar (CaF_2 90–95%) is a controlled-purity grade used as an opacifier and flux in enamel, glass, and ceramic frit. It lowers melting temperature and improves opacity and surface finish.
Applications	Used in enamels, glass, ceramic frits and glazes as a flux and opacifier.
Used In	Enamel, glass, ceramic frit

Key Benefits

- Ceramic grade – CaF_2 90–95%
- Acts as a flux and opacifier
- Lowers melting temperature in glass / enamel
- Controlled silica (max. 2.5%) and carbonate
- Improves opacity and surface finish

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Calcium Fluoride (CaF_2)	90% – 95%
Silica (SiO_2)	Max. 2.5%
Calcium Carbonate (CaCO_3)	Max. 1.5%
Iron Oxide (Fe_2O_3)	Max. 0.25%
Sulphur (S)	— (not specified)

Physical Properties

Property	Specification
Form	Powder (customisable fineness)
Grade	Ceramic
Application	Enamel / glass / frit flux & opacifier

Moisture	Max. 1.0%
Origin	India / imported

* Typical values; mine- and lot-dependent. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Keep away from acids – contact releases toxic hydrogen fluoride (HF)
- Avoid dust generation; provide adequate ventilation
- Handle with appropriate PPE to control dust and avoid ingestion

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. Fluorspar releases toxic hydrogen fluoride on contact with acids – refer to the MSDS.