



**SUDARSHAN
GROUP**



FELDSPAR POWDER / LUMPS

Feldspar is one of the most useful industrial minerals, widely utilized in the manufacturing of ceramics, glass, and various other products. It is characterized by high alumina and alkali content, providing valuable properties for manufacturing operations across different industries. At Sudarshan Group, our product portfolio includes high-quality feldspar in both powder and lump forms, suitable for all types of industries.

Product Description

Our Feldspar Powder and Lumps are sourced from standard quarries to ensure they meet the highest quality standards. These products are treated carefully to preserve their inherent characteristics and textures, making them suitable for various applications. Many industries rely on our high-quality feldspar, which is available in both powdered and lump forms.

Applications

In ceramics, it improves strength, transparency, and stability. In glass production, it lowers the melting point of quartz.

In paints and coatings, feldspar enhances strength and weather resistance while reducing costs. Its hardness makes it suitable for abrasives used in grinding and polishing. High-purity feldspar is also used in electronics for insulating materials and ceramics.

Key Features

Feldspar with high alumina content enhances the hardness of ceramics and glass. In ceramics, it acts as a flux, aiding in glassy phase formation and strengthening the product. In glassmaking, the alumina improves raw material melting, enhancing the glass quality.

TECHNICAL SPECIFICATION

Potash Feldspar

Sr. No	PRODUCT	Supar K1	Supar K2	Supar K3
1	SiO ₂	66% (± 1%)	68% (± 1%)	69%
2	AL ₂ O ₃	18% (± 0.5%)	17% (± 0.5%)	16.50%
3	K ₂ O	12% (±1%)	10% (±1%)	10%
4	Na ₂ O	2.5% (± 0.5%)	3% (±1%)	3%
5	Fe ₂ O ₃	0.06% (± 0.1%)	0.08% (± 0.2%)	0.07%
6	MgO	NIL	NIL	NIL
7	CaO	NIL	NIL	NIL
8	TiO ₂	NIL	NIL	NIL
9	LOI	0.10%	0.20%	0.25%
10	Firing Result 1175°C – 1220°C	Milky White	Off White	Super White
11	Firing Appearance	White to Pink	White to Pink	White to White

Sodium Feldspar

Sr. No	PRODUCT	Supar N1	Supar N2	Supar N3
1	SiO ₂	68% (± 1%)	68% (± 1%)	72% (± 2%)
2	AL ₂ O ₃	18% (± 0.5%)	18% (± 0.5%)	17% (± 1%)
3	K ₂ O	1.50% (± 0.5%)	.50% (± 0.5%)	2% (± 1%)
4	Na ₂ O	12% (± 1%)	10% (± 1%)	8% (± 1%)
5	Fe ₂ O ₃	0.10% (± 0.03%)	0.10% (± 0.03%)	0.15% (± 0.05%)
6	MgO	0.1% (± 0.1%)	0.1% (± 0.1%)	0.2% (± 0.1 %)
7	CaO	0.05% (± 0.5%)	0.05% (± 0.5%)	0.2% (± 0.1 %)
8	TiO ₂	NIL	NIL	NIL
9	LOI	0.10%	0.10%	0.20%
10	Firing Result 1175°C – 1220°C	Milky White	Milky White	Off White
11	Firing Appearance	White to White / Cream	White to Cream	White to Cream

