



Feldspar (Potassic) DBM-FPB

Product Features

Feldspar is a high-purity, chemically stable mineral known for its excellent fluxing properties. It lowers melting temperature, enhances strength and durability, and improves brightness in glass and ceramic applications. With good whiteness, consistent composition, and controlled particle size, it ensures reliable performance across various industrial uses.

Technical Specifications

Chemical Analysis

SiO ₂	(%)	69.84
Al ₂ O ₃	(%)	16.32
Fe ₂ O ₃	(%)	0.57
K ₂ O	(%)	9.13
Na ₂ O	(%)	0.55
BaO	(%)	0.06
CaO	(%)	0.21
MgO	(%)	0.14
MnO	(%)	<0.01
P ₂ O ₅	(%)	<0.01
SO ₃	(%)	0.18
TiO ₂	(%)	0.09
Cr ₂ O ₃	(%)	0.01
Cu	(%)	<0.01
Pb	(%)	<0.01
Zn	(%)	<0.01
LOI	(%)	2.9

Packaging Information

Feldspar is normally supplied in bulk when it's in lump form. Anyway it can also be available in jumbo bags of 1.5 MT. All jumbo bags are designed for easy handling, storage, and transportation, ensuring the product remains dry and protected from moisture.

Application and Usage

Feldspar is used in different industries some of which are listed in below;

- >> Ceramics Industry: Feldspar acts as a fluxing agent, lowering the melting temperature of the mix and helping to form a smooth, glassy surface on the ceramic body.
- >> Glass Industry: It provides alumina, which improves the strength, hardness, and durability of glass, and helps control the melting temperature during production.
- >> Fillers and Extenders: In paints, plastics, and rubber, feldspar is used as a filler to enhance hardness, chemical resistance, and surface finish.
- >> Enamel and Glaze: Feldspar helps produce a shiny and uniform glaze on enamelware and ceramics by promoting vitrification during firing.
- >> Glass Fiber and Insulation: In fiberglass production, feldspar helps control viscosity and thermal expansion, improving product strength and heat resistance.
- >> Abrasives and Polishing: Finely ground feldspar is used in abrasive powders and polishing compounds due to its hardness and stable chemical nature.

Safety Data

Feldspar is a naturally occurring, inorganic mineral and is generally considered non-hazardous in solid form. However, fine dust generated during handling, grinding, or processing may cause temporary irritation to the eyes, skin, or respiratory system. Prolonged or repeated exposure to respirable dust should be avoided, as it may contain small amounts of crystalline silica.

Product Variants

Feldspar is available in three main variants: Sodium Feldspar, Potassium Feldspar, and Mixed (Soda-Potash) Feldspar. Sodium feldspar offers excellent fluxing ability and is widely used in glass manufacturing. Potassium feldspar provides superior whiteness and strength, making it ideal for high-quality ceramics and tiles. Mixed feldspar combines the benefits of both, offering balanced melting behavior and consistent performance in diverse industrial applications.

Warranty

DATSON Building Materials warrants that the product supplied meets the specified quality and performance standards as outlined in this datasheet. We guarantee that the material is free from defects in manufacturing and workmanship. For warranty claims, please retain proof of purchase and contact our customer service team.

