



07 SODIC-POTASSIC FELDSPAR



PRODUCT DESCRIPTION

Sodic-Potassic Feldspar is a natural aluminosilicate mineral containing sodium and potassium oxides. It is widely used in ceramics, glass, enamels, pigments, plastics, rubber, and foundry industries due to its fluxing ability, chemical stability, and consistent quality.

CHEMICAL COMPOSITION (XRF ANALYSIS)

COMPONENT	wt%
SiO ₂	64.0 – 68.0
Al ₂ O ₃	17.0 – 20.0
K ₂ O	6.0 – 8.5
Na ₂ O	6.0 – 8.0
CaO	0.2 – 1.5
Fe ₂ O ₃	0.1 – 0.6
MgO	0.1 – 0.3
TiO ₂	0.05 – 0.15
LOI (Loss on Ignition)	0.2 – 0.6

i Chemical composition may vary slightly based on origin and grade.

PHYSICAL PROPERTIES

PROPERTY	UNIT	TYPICAL RANGE
Appearance	—	White to pinkish crystalline grains
Specific Gravity	g/cm ³	2.55 – 2.65
Bulk Density	g/cm ³	1.5 – 1.7
Hardness (Mohs)	—	6 – 6.5
Water Absorption	%	≤ 0.3
Melting Point	°C	1100 – 1200
Refractoriness	°C	≥ 1300
Whiteness	%	65 – 80
pH (10% Slurry)	—	6.0 – 7.5
Particle Size	—	As per customer requirement

APPLICATIONS

- CERAMIC INDUSTRY**
Used as a flux in ceramic bodies, floor & wall tiles, sanitary ware, and porcelain to improve vitrification and strength.
- GLASS INDUSTRY**
Essential raw material in glass production to reduce melting temperature and improve chemical durability.
- PAINTS & COATINGS**
Acts as an extender and filler to enhance opacity, brightness, and smoothness.
- PLASTICS & RUBBER**
Improves mechanical properties, heat stability, and dimensional accuracy.
- FOUNDRY INDUSTRY**
Used in molds and cores to enhance refractoriness and reduce expansion.
- ENAMELS & PIGMENTS**
Provides good chemical stability, brightness, and gloss.

AVAILABLE FORMS & PARTICLE SIZES



i Other sizes available upon request.

PACKAGING

- 25 kg Bags (palletized)
- 1000 kg Jumbo Bag
- 1300 kg Jumbo Bag

