

## Technical Data Sheet

### Potassium Fluorosilicate

**Physical Properties:**

Formula	K <sub>2</sub> SiF <sub>6</sub>	Molecular Weight	220.27	CAS NO	16871-90-2
U.N-NO	2655	Class	6.1	H.S-NO	2826901000

**Character:**

White crystal or powder, odorless, tasteless, the density is 3.08.

It is slightly soluble in water. Soluble in hydrochloric acid, the solubility will be slightly increased by the increase of the temperature. Insoluble in ethanol.

It is hydrolyzed to potassium fluoride, hydrogen fluoride and silicic acid in hot water.

The PH of 1% aqueous solution is 3.4.

**Chemical Parameters:**

Items		Standard (%)
K <sub>2</sub> SiF <sub>6</sub>		98.0% min
Moisture		0.6% max
Insoluble Matter		0.5% max
Screen Analysis	-40 mesh	100.0%
	-325 mesh	25.0% max
Bulk Density		1.36 - 1.44g/cm <sup>3</sup>

**APPLICATION:**

It is mainly used in wood anticorrosion, ceramic manufacturing, aluminum and magnesium smelting, and the optical glass manufacturing.

It can also be used as raw material for synthesis of mica and anti-corrosion material.

It also can be used as the synthetic intermediate, pesticides, etc.

**PACKAGE:** Packing in 25kg Kraft paper bag or plastic woven bag each or 1000kg big bag or customize according to customer's different demand.

**TRANSPORTATION:** DG, Class 6.1, UN: 2655, PG: III