

## SPECIFICATION

### Potassium Sulfide

Parameters	Specification
CAS Number	1312-73-8
Appearance	White to colorless crystalline solid
Molecular Formula	K <sub>2</sub> S
Molecular Weight	110.26 g/mol
Boiling Point	1100 °C
Melting Point	900 °C
Flash Point	9999 °C
Purity	98–99%
Refractive Index	1.54
Solubility	Soluble in water; hydrolyzes in water to potassium hydroxide and hydrogen sulfide
Uses	Reagent in chemical synthesis; source of sulfide ion; precursor to other potassium sulfide compounds

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