

## SPECIFICATION

### Potassium Pentaborate

Parameters	Specification
CAS Number	12229-13-9
Appearance	White crystalline powder
Molecular Formula	B <sub>10</sub> H <sub>16</sub> K <sub>2</sub> O <sub>24</sub>
Molecular Weight	289.17 g/mol
Boiling Point	650 °C
Melting Point	480 °C
Flash Point	250 °C
Purity	98–99%
Refractive Index	1.52
Solubility	Soluble in water; insoluble in organic solvents
Uses	Used as a boron source in glass and ceramics; acts as a flux and precursor in various boron compounds

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