

SPECIFICATION

Potassium Dioxide

Parameters	Specification
CAS Number	12030-88-5
Appearance	White to pale yellow crystalline powder
Molecular Formula	KO ₂
Molecular Weight	71.10 g/mol
Boiling Point	500 °C
Melting Point	360 °C
Flash Point	200 °C
Purity	98–99%
Refractive Index	1.6
Solubility	Reacts with water to form potassium hydroxide and releases oxygen; not readily soluble
Uses	Oxidizing agent; oxygen source for chemical synthesis; used in niche industrial oxidation processes

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