



# Technical Data Sheet

<b>Product name</b>	<b>ALUMINUM PHOSPHATE</b>
<b>CAS No</b>	<b>7784-30-7</b>
<b>EC No</b>	<b>232-056-9</b>
<b>Chemical formula</b>	<b>AlPO4</b>
<b>Appearance</b>	<b>White Powder</b>
<b>Storage</b>	<b>Keep the product in a tightly closed container ,Isolate from any source of heat or ignition and moisture</b>
<b>Packing unit</b>	<b>25kg Poly Propylene bag &amp; 500kg Poly Propylene bag, Any size customers want.</b>
<b>Application</b>	<b>Mostly used as binder and curing agent in the production of hi-temp refractory materials for kiln. As fluxing agent in the production of special glass, as binder in fabrication of ceramics or tooth, and as catalyst in organic synthesis. Potash water glass cement is made up of potash water glass, condensed aluminum phosphate as curing agent and acid-resistant fillings.</b>
<b>Property</b>	<b>Potash water glass firming agent is superior to sodium silicate cement in impermeability, resistance to dilute acid and cohesive strength.</b>
<b>Characteristics</b>	<b>White Powder. Soluble in acid or alkali solution, insoluble in water or alcohol.</b>

## CHEMICAL ANALYSIS

TEST ITEM	UNIT	REQUIREMENT
Whiteness	%	Min 90
Al2O3	wt. %	30-40
P2O5	wt. %	60-70
Moisture	wt. %	Max1.5
Oil absorption	ml/100g	25-35
The PH Value	-	3-5

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