

Di Ammonium Phosphate

Suggested applications

Mainly used in the manufacture of fire extinguisher powder, as fire proofing agent. In addition, it can be used as fire prevention agent for fire resistant doors, fabric and paper. It is one of the ingredient for liquid and high quality water soluble fertilizers.

Physical properties

White/colorless crystal, relative density of 1.619g/cm³, melting point is 155.0°C. Easily 100% soluble in water, insoluble in alcohol, pH value of 1% solution is 8.0. In the air it will gradually lose its ammonia and become ammonium dihydrogen phosphate(ADP).

Packaging & Storage

Packed in 25kg or 1000kg PP+PE bags.
Customized bags packing is available.
Stored at cool, dry and well ventilated place.

Target properties

Chemical formula	(NH ₄) ₂ HPO ₄
Molecular weight	131.05
Main contents% ≥	99
Phosphorus Pentoxide(P₂O₅)% ≥	53
Nitrogen, as N % ≥	21
Total Nutrition, as P₂O₅+N % ≥	74
Heavy Metals, as Pb % ≤	0.001
Asenic, as As % ≤	0.003
Moisture % ≤	0.2
Water insoluble% ≤	0.1
PH value of 1% solution	7.8-8.2

*permissible tolerance of 0.1-0.2% is possible for main content and moisture due to different testing methods under diverse conditions