



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Ammonium Polyphosphate (APP)

Product: Ammonium Polyphosphate (APP)

Molecular Formula: $(\text{NH}_4\text{PO}_3)_n$, $n > 1000$

Molecular Weight: — (polymer) g/mol

Cas No.: 68333-79-9

Density: 1.85 g/cm³

UN No. Non-hazardous for transport

HS Code: 28353990

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
Purity (APP)	≥95.0%	≥90.0%	96.5%
Phosphorus (P ₂ O ₅)	≥68.0%	≥65.0%	69.0%
Nitrogen (N)	≥14.0%	≥13.0%	14.5%
Moisture	≤0.5%	≤1.0%	0.4%
Water-insoluble matter	≤0.05%	≤0.10%	0.04%
pH (1% solution)	5.5-7.0	5.0-7.5	6.2

Chemical Properties

Chemical Properties: White powder or crystalline granules. Density: 1.85 g/cm³.