

PRODUCT DATA SHEET

Product name: Ammonium polyphosphate (APP)

中文名称: 多聚磷酸铵

Formula: $(\text{NH}_4\text{PO}_3)_n$

CAS NO.: 68333-79-9

Item	Specification
Appearance	White free-flowing powder
Color (Reflectance), %	≥ 92.0
PH, 10% slurry, 25°C	6.0-7.0
Solubility in water, 25°C, g/100mL H ₂ O	0.45-0.50
Total nitrogen, %	14.0-15.0
Phosphorus (as P ₂ O ₅), %	72.0-74.0
True density, g/cm ³	1.7-2.1
Bulk density, g/cm ³	0.65-0.75
Viscosity, 10% slurry, 25°C, mpa.s	≤ 80.0
Degree of polymerization	1280-1380
Thermal decomposition onset, scan rate 30°C/min, °C	≥ 285
Average particle size, 50% pass, μm	10-18
Particle size, 98% pass, μm	≤ 42

PACKAGING: 25KG BAG