



TECHNICAL DATA SHEET

NAME OF COMMODITY: APP-AMMONIUM POLYPHOSPHATE(APP216H)

CAS NO.: 68333-79-9

TESTS	SPECIFICATIONS
APPEARANCE	WHITE POWDER
Whiteness,%	85.0 MIN
Density,g/cm3	~1.9
Bulk Density,g/L	~700
Polymerization Degree	~800
pH Value (25°C, 10% Suspension)	~6.5
Viscosity (25°C, 10% Suspension) ,mPa.s	100 MAX
Decomposition Temp,°C	260 MIN
Phosphorus,% (w/w)	~30.0
Nitrogen,% (w/w)	~14.0
Solubility In Water,% (w/w)	~0.5
Average Particle Size (D50) ,µm	~15
Residue on Sieve,% (w/w)	0 (60 meshes)
Water/Moisture,% (w/w)	0.5 MAX
Toxicity And Environmental Hazard	ND

INTRODUCTION:

Among the APP(II) series of nitrogen-phosphorus inorganic flame retardants, APP216H is a phase II ammonium polyphosphate surface treated with melamine. It is in high content of Phosphorus & Nitrogen, excellent thermal stability, near-neutral and non-toxic smoke property. With gas source and carbon source, it takes effect by char formation and intumescent mechanism.

CHARACTERISTICS:

1. Good thermal stability;
2. Low viscosity and good dispersity;
3. Low water solubility, good anti-migration and anti-precipitation;
4. High polymerization degree, narrow molecular weight distribution and less content of low polymerization substance;
5. High purity of type II structure;
6. Excellent particle size distribution



APPLICATION:

APP216H is recommended in intumescent coating.

PACKING: IN 25KG NET BAG

SHELF LIFE: 12 MONTHS