

FCI FLAME RETARDANTS

34 Glen Lake Drive, Medford, NJ 08055

TECHNICAL DATA SHEET APP EP-P (APP coated with 5% Epoxy Powder Coated)

CAS No. : 68333-79-9
Chemical Formula : $(\text{NH}_4\text{PO}_3)_n$, ($n > 1000$)
Appearance : White, free-flowing powder

SPECIFICATIONS	UNIT	STANDARD
Phosphorus	% (w/w)	≥ 29
Nitrogen	% (w/w)	≥ 13
PH-value (10% suspension)		6.0-7.5
Water Content	%(w/w)	≤ 0.25
Thermal Decomposition (1%)	$^{\circ}\text{C}$	≥ 280
Density	25 $^{\circ}\text{C}$ kg/m ³	About 1.9
Apparent density	25 $^{\circ}\text{C}$ kg/m ³	About 0.7
Viscosity (25 $^{\circ}\text{C}$, 10% suspension)	MPa. s	≤ 50
Solubility	g/100cm ³	≤ 0.2
Average Particle Size	μm	20

Application

APP-6 is halogen-free, environment friendly fire retardant. It is non-toxic, non-corrosive and in volatile. It does not put out gas or black fume during it is fired, and it can meet the EU standard.

Safety and toxicity

Acute oral toxicity LD₅₀ (rat): ≥ 2000 mg/kg LD50
Storage: Dry, at room temp.

Packing

25kg/bag, woven bag lined with PE bag