

FCI FLAME RETARDANTS

34 Glen Lake Drive, Medford, NJ 08055

TECHNICAL DATA SHEET FCI 1068 Blend

CAS No. : 68333-79-9
Chemical Formula : $(\text{NH}_4\text{PO}_3)_n$, ($n > 1000$)
Appearance : White, free-flowing powder
Equivalent to : Cros 486 and Exflam204

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°C , 10% suspension)	MPa. s	≤ 50
Solubility	$\text{g}/100\text{cm}^3$	≤ 0.25
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 LD_{50} (rat): ≥ 2000 mg/kg LD_{50}
Storage: Dry, at room temp.

Packing

25kg/bag, woven bag lined with PE bag