



EcoFlameRetardant-APP201

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Chemical Name: Ammonium Polyphosphate

Brand Name: EcoFlameRetardant APP201

Equivalent: Exolit 422 and Gros 484

CAS NO.: 68333-79-9

Chemical Formula: (NH₄P₀₃)_n

Molecular Weight: n>1000

Application:

1. It is a fine-particle ammonium polyphosphate produced by a special method. The product is largely insoluble in water and completely insoluble in organic solvent. It is white, non-hygroscopic and non-flammable. Its crystalline form is II, n> 1000.
2. It can be used in intumescent coatings, in adhesives and sealants, in polyurethane foam: PU rigid / PU rigid integral skin foam / PU flexible.
3. It can be used in cellulose-containing material (paper, wood).
4. It can be used in thermoplastics (PP); It can be used in casting resin based on epoxy resin and unsaturated PET resin.

Technical Data Sheet:

Analysis Item	Unit	Specification
Phosphorus	%{w/w}	31
Nitrogen	%(w/w)	14
pH value	(10% suspension)	5.5-7.0
Water Content	%(w/w)	:50.25
Thermal Decomposition	cc	275
Density at 25 CC	kg/L	1.9
Apparent Density	kg/L	0.7
Viscosity {25CC in 10% suspension)	mPa.s	:5100
Solubility in Water (g/100cm ³)	%(w/w)	0.5
Average Particle Size	um	:515

Packing :

EcoFlameRetardant APP201 is packed in 25Kg paper bag, 35 bags on pallet.

Total 17.5mt per 20'FCL