



FEIMING CHEMICAL LIMITED

Piperazine pyrophosphate

Introduction

Piperazine pyrophosphate(PAPP) produced by our company has a whiteness of 92 or above, which is mainly used as a carbon forming agent to be mixed with halogen-free flame retardant. It can replace traditional pentaerythritol and pentaerythritol phosphate ester PEPA, CFA triazine and so on. Not subject to RoHS and REACH; It has the characteristics of high flame retardant efficiency, good thermal stability, no precipitation, good water resistance, light aging resistance and low smoke non-toxic.

Physical and Chemical Properties

Item	Unit	Index
Appearance	—	White Powder
Whiteness	%	≥92
The Content of Phosphorus	%(W/W)	≥23
The Content of Nitrogen	%(W/W)	≥10
Stacking Density	g/cm ³	~0.6
Particle Size(D50)	μm	6-12
Process Condition	°C	MAX. 280
Moisture	%(W/W)	≤0.5

Packing&storage:

Moisture proof packing, 25kg/ bag, according to the general industrial production operation, avoid dust irritation.

Processing matters needing attention:

- (1) The recommended processing temperature of PAPP is below 280°C, and a certain vacuum degree must be maintained.
- (2) When PAPP is used in PP, it is not recommended to use the screw combination with strong shear.