

## GC PP HF 1000

### HALOGEN FREE FLAME RETARDANT

**GC PP HF 1000** is an environmentally friendly halogen free flame retardant based on phosphorus and nitrogen. Fire retardant properties are based on an intumescent system. **GC PP HF 1000** is particularly suitable for applications in PP and PE products. **GC PP HF 1000** has good flame retardant effect, low smoke, good dispersibility, and small influence on the mechanical properties. **GC PP HF 1000** does not contain heavy metals and any anti-dripping agent.

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#### PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder
P content, % (w/w)	22.0-24.0
N content, % (w/w)	20.0-22.0
Density g/cm <sup>3</sup>	~1.8
Water content, %	Max 0.5
Average particle size, D <sub>50</sub> μm	10-15

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#### HANDLING AND STORAGE:

The processing and use of GC PP HF 1000 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.  
GC PP HF 1000 has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

#### PACKAGING:

Standard packaging size of GC PP HF 1000 is 25 Kg bags.

#### IMPORTANT NOTE

Some plastic additives, fillers or pigments can significantly influence the flame retardant properties of the compound. Before using these products, please be informed. Machine stop at high temperatures could create degradation of polymers. Please clean with neutral polymers.

#### DISCLAIMER:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.