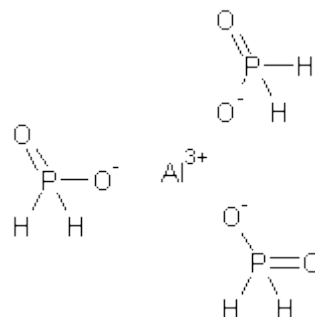


GC FOS AL

Aluminium phosphinate

Chemical Formula $\text{AlH}_6\text{O}_6\text{P}_3$
Molecular Weight 222
CAS Registry Number 7784-22-7



GC FOS AL is a non-halogenated flame retardant based on inorganic hypophosphite with excellent thermal and light stability. **GC FOS AL** is particularly suitable for application in engineering polymers, TPU, PU, PBT, PET, TPE, PA also reinforced with glass fibers and polyolefins. It is usually used with synergistic components based on phosphorus and nitrogen.

PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder
Phosphor Content, %	40.0 ± 2.0
pH	3-5
Humidity, %	0.50 max
Particle size, D ₅₀ , µm	10.0 max
Decomposition Temperature, °C	300 min (TGA, 1% weight loss)

HANDLING AND STORAGE: The processing and use of GC FOS AL requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.
GC FOS AL 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 FOS AL is 25 Kg.

IMPORTANT NOTE Some plastic additives, fillers or pigments can have a significant influence on flame retardant properties of the end product. Before using this product, please be informed. Machine stop at high temperature 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 improperly 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.