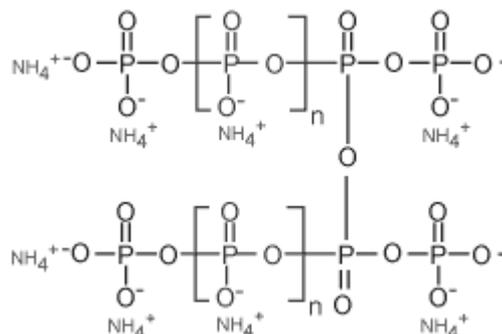


GC APP II

Ammonium Polyphosphate



GC APP II is a halogen-free flame retardant based on ammonium polyphosphate. GC APP II has high degree of polymerization and belongs to the type of the crystalline phase II, which works with intumescent mechanism.

GC APP II is particularly suitable for application in engineering polymers: polypropylene, polyethylene, EVA, TPE, polyurethane, unsaturated polymers and their derivatives.

GC APP II can be used both in the extrusion molding.

GC APP II has a high content of phosphorus and nitrogen, high thermal stability, low solubility in water and almost neutral pH.

PHYSICO-CHEMICAL PROPERTIES

Appearance	White powder
Phosphorus, % (w/w)	≥ 31.0
Nitrogen, % (w/w)	≥ 14.0
Thermal Decomposition, °C	≥ 275
Density at 25°C, g/cm ³	ab. 1.9
Moisture, % (m/m)	≤ 0.5
Polymerization grade, n	≥ 1000
Medium particle size, μm	15

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

GC APP II has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING: Standard pack size of GC APP II is 25 Kg bag.

Important note

Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before to use the products, please be informed.

Stop machine with high temperature could create degradation of polymers. Please clean with neutral polymers.

NOTE:

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.