

## GC PW V0 PAP1

### NON-HALOGENATED FLAME RETARDANT

GC PW V0 PAP1 is a non-halogenated flame retardant based on organic phosphinates. GC PW V0 PAP1 is based on an intumescent system with low impact on mechanical properties and with excellent electrical properties. GC PW V0 PAP1 does not affect colorability and has an excellent temperature resistance. GC PW V0 PAP1 is mainly used in thermoplastic polymers, specifically reinforced polyamides. Due to its exceptional electrical properties, it is used in electric / electronic, automotive and construction products. Recommended dosage in PA is 15-20%.

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#### PHYSICAL-CHEMICAL PROPERTIES

Appearance	white powder
Phosphorus content, %	19.0-20.0
Density@25 °C, g/cm <sup>3</sup>	1.25
Bulk density@25 °C, g/cm <sup>3</sup>	0.4-0.7
Melting point, °C	>300
Solubility in water,g/L	<0.025
Water content, %	<0.5

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**HANDLING AND STORAGE:** The processing and use of GC PW V0 PAP1 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.  
GC PW V0 PAP1 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 PW V0 PAP1 is in 25 Kg bags.

**IMPORTANT NOTE** Some plastic additives, fillers or pigments can have a significant influence on the 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 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.