Halogen-free flame retardant of TF--9101 eries

Description

Halogen-free flame retardant of TF-9101 is a white fine powder composed of organic aluminum phosphinate. The product is insoluble in water and easily dispersed in solvents such as acetone or methylethyl ketone.

Advantages

- It has the characteristics of fine particle size, non-moisture absorption, and easy dispersion in polymer systems.
- With high phosphorus content, it can meet the flame retardant requirements of various thermoplastic and thermosetting materials.
- Halogen-free flame retardant, low smoke toxicity, safety and environmental protection, meeting the requirements of RoHS and REACH regulations.

Characteristics

Appearance	White powder
Initial decomposition temperature, ℃	> 330
Phosphorus content, %(w/w)	23.5±0.5
Water/Moisture, %(w/w)	≤0.30
Particle size, μm	D50≤5.5, D95≤15

Application & Suggestions

Halogen-free flame retardant of TF-9101 can be combined with various synergists based on customer’ s specific requirements to achieve flame retardant requirements for a variety of thermoplastic and thermosetting materials. In the field of thermoplastic elastomers (TPE, TPU, etc.), compounded with other synergists such as nitrogen or/and phosphorus, the modified system has good physical properties and excellent flame retardant properties; in the field of epoxy resins, other synergists or/and flame retardants can be compounded to produce halogen-free FR-4 and CEM-3 laminates.

Package & Storage

20kg/carton or jumbo bag. According to general chemical transportation. Make sure to store the product in a cool and dry place. Keep the product sealed and out of sunlight .

Attentions:
1. The product data is for reference only. If you had any technical or usage problems, please call us.
2. The oral or written technical suggestions offered by our company are all sincere. But the consumers have the responsibility to experiment with our products to justify whether they are suitable for the formulated craftwork and usage; as the craftwork condition for using the products is beyond our control, the consumers will take the whole responsibility.

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