

HOFNIL-MPOP (Melamine Polyphosphate)

HOFNIL-MPOP (Melamine Polyphosphate) is a halogen-free fire retardant that provides significant advantages in fire safety by reducing smoke density, toxicity, and corrosive gases. The compound is recommended for use in Polyamide 6 (PA 6), polyamide 66 (PA66) and PBT, where it forms a stable char when exposed to fire, preventing further flame propagation. Additionally, it exhibits synergistic effects with other flame retardants such as phosphinates and borates.

PRODUCT PROPERTIES

Product Code: MPOP

Product Name: Melamine Polyphosphate

TECHNICAL PARAMETERS		
S. NO.	PARAMETERS	SPECIFICATION
1.	Appearance	White Powder
2.	Moisture	≤ 0.5
3.	Nitrogen (w/w %)	42.0-44.0
4.	P Content (%)	12.0-14.0
5.	Solubility 20 ^o C	≤ 0.05
6.	pH (1%)	4.0-6.0
7.	1% decomposed Temp (°C)	>320

Advantages of HOFNIL-MPOP:

- HOFNIL-MPOP is highly effective at reducing the flammability of materials. It works by promoting char formation and releasing non-combustible gases, which dilute flammable gases and inhibit the combustion process.
- It offers good thermal stability, which allows it to be used in high-temperature applications without significant degradation or loss of flame retardant properties.
- HOFNIL-MPOP helps in reducing the amount of smoke produced during a fire, which is crucial for improving visibility and reducing the inhalation of toxic fumes, thereby enhancing safety during evacuation.
- Unlike some other flame retardants, HOFNIL-MPOP is halogen-free, which means it does not release harmful halogenated by-products during combustion. This makes it an environmentally friendly and safer option.
- It can be easily incorporated into different materials without significantly affecting their mechanical properties.
- It is easier to handle, blendable with other FR synergist, inert for other polymer additives like thermal & UV stabilizers, plasticizers etc.

Shelf-life: 2 years from date of manufacturing.

Packing Size:

20Kg BOPP laminated bag with polythene liner.

Please Note: We are manufacturing other MPOP grades, blends, and surface coated MPOP as well. We can provide technical data or assistance in order to make better FR for any kind of material.

For further information, please contact manufacturer:

SK Minerals & Additive Private Limited.

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