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無鹵阻燃劑 HPX-361/HPX-361P

Non-halogen Flame Retardant

產品介紹 (Product Description):

HPX-361 是一種磷系的高效無鹵阻燃劑。該阻燃劑是一種白色粉體，具有磷含量高，吸水率低，不水解，不析出的特點。HPX-361 不溶于水、丙酮、二氯甲烷、丁酮、甲苯等有機溶劑。添加 HPX-361 的聚合物在燃燒過程中產生膨脹炭層，達到阻燃的作用。

HPX-361 is a new efficient halogen-free flame retardant contained phosphorus and nitrogen. The product is a white granule with high phosphorus content, low water absorption, no hydrolysis, no migration. It is insoluble in water and acetone, dichloromethane, butanone, toluene and other organic solvents. The polymer containing HPX-361 can expand the carbon layer in the process of combustion therefore flame retardation can be obtained.

應用(Application):

HPX-361 適用於 PET, PBT 和 PA66, PA6 的阻燃, 加工後材料表現出很好的物理和電氣性能，具有良好的成碳性, 自熄性, 而且比常用的溴-銻阻燃體系性價比更高。

HPX-361 is a flame retardant suitable to be applied for PET, PBT and PA66, PA6. The modified materials have good physical and electrical properties and good carbon char formation and self-extinguishment.

In addition, it is more cost-effective than the commonly used antimony-bromine flame retardant group.

規格(Specification):

項目 Item	單位 Unit	規格(Specification)
外觀 Appearance	--	白色粉末 White powder
磷含量 Phosphorus content	%(w/w)	20-23
水分 Water content	%(w/w)	≤0.5
分解溫度 Decomposition temperature	°C	> 350

註: 另外有無載體顆粒狀 HPX-361P, 因應眾用戶要求的進階 2.0 版的,

1. 可避免加料時塵揚, 污染現場, 防止人員吸入, 影響健康,
2. 還可以重量化, 好下料, 而稍微攪拌或施壓即能分散, 配料均勻。

建議添加量(Recommended dosage):

在 30% 玻璃纖維增強 PET 或 PBT 或 PA66, PA6, 建議添加 18%, 產品足以達到 UL94 V-0 (0.8mm 或 1.6mm) 之阻燃標準, 隨著配方及加工方式的不同, 適量地調整阻燃劑的添加量是需要的。

For 30% glass fiber reinforced PET or PBT or PA66 or PA6, through adding 18%, it can reach UL 94 V-0 (0.8mm or 1.6mm). The difference in formula and process may lead to the proper adjustment in the addition of the flame retardant.

包裝和貯存: 25kg/PE 內襯紙袋。保持乾燥, 避免高溫。

Packing and storage: 25 kg /kraft bag with PE inner. Keep dry and avoid of hot place.