



Piraadd® FR01P FLAME RETARTANT POWDER

Introduction

Piraadd® FR01P FLAME RETARTANT POWDER is a flame retardant especially designed for polyolefin, with phosphorus, bromine and nitrogen as the main flame retardant elements. It has high flame retardant efficiency, add 0.5% in homopolymer PP and add 2% in co-polymer PP, to achieve UL94 V2. Good thermal stability, no immigration, excellent water resistance, good aging resistance and low smoke non-toxicity, no heavy metal, will not influence the transparent color of PP.

Specification	
Item	Index
Appearance	White Powder
The Content of Phosphorus %(W/W)	≥22
The Content of Nitrogen %(W/W)	≥11
Bromine content %	≤12
Particle Size D50 (μm)	≤14
Moisture %(W/W)	≤0.5
Process condition °C	≤210

Package Information:

The package is 25kg craft paper bag or on customer's request, and can be loaded 20mt with pallet in 1x 20'FCL.

Recommended dosage:

Resin	Homo poly PP	Copoly PP	Homo PP+20% talcum powder	Copoly PP+Homo poly PP +10% talcum powder
Dosage % Piraadd® FR01P FLAME RETARTANT POWDER	≥0.5	≥2	≥1	≥3
UL94	V-2(3.2mm) V-2(1.6mm) V-2(0.8mm)	V-2(3.2mm) V-2(1.6mm) V-2(0.8mm)	V-2(3.2mm) V-2(1.6mm) V-2(0.8mm)	V-2(3.2mm) V-2(1.6mm) V-2(0.8mm)

Remarks:

1) The process temperature of Piraadd® FR01P FLAME RETARTANT POWDER is recommended under 230 °C, so the processing temperature of the twin-screw can be adjusted according to the specific conditions to enhance the dispersion and enhance the plasticization effect. A certain degree of hollowness must be maintained during the twin-screw extrusion process.

2) When add Piraadd® FR01P FLAME RETARTANT POWDER in PP, it is not suggested to use Strong shear screw combination.

Thank you for your Attention!

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