Inovia Materials (Hangzhou) Co., Ltd.

Transparent PET Film Flame Retardant ER-F5100

ER-F5100 is a novel halogen-free flame retardant specifically developed for transparent PET films. With just a 1.5% addition, it can achieve UL94-VTM-0 at 0.050mm thickness. Compared to traditional flame retardants for transparent PET films, the required dosage has been significantly reduced from 25% to 1.5%, greatly reducing costs. Additionally, ER-F5100 requires no special treatment prior to use. The primary applications of transparent FR PET films include: insulating tapes, printing, electronic products, etc.

Physical Data:

Item	Data
Phosphors content	7.5~7.9wt.%
Sulfur content	8.0~8.4wt.%
Appearance	White powder
Thermally stable temperature	>320℃

Recommended Usage:

Loading level	UL 94 rating
1.5%	VTM-0

Processing

Reference raw material processing temperature.

Packaging

20kg/barrel. Samples can be packed as required.

Note: The data recommended in this document can be used as a reference for various purposes. There will also be some amendments along with new technical improvements. Therefore, when designing the product, the use environment and structure of the product should be fully considered, and whether the product has any problems should be judged by the design company itself.

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