



Plastic & polymer additives and solution supplier
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Technical Data Sheet

ProFlame® EFPA9501

ProFlame® EFPA9501 uses special high compatibility and temperature resistance adhesive to compress the high-efficiency composite phosphorus flame retardant into a flame retardant masterbatch. It has high flame retardant efficiency, convenient processing, good dispersibility, low smoke and low toxicity, and complies with the regulations of ROHS and REACH. It can effectively solve the problem of phosphorus based flame retardants being hydrolysis and easy to precipitate on the surface of materials such as PA6 and PA66.

Tech Spec:

Items	Spec
FR content(%)	≥95
Appearance	White pellet
Moisture(%)	≤0.5
Density(g/cm3)	0.8-1.0
Dosage	PA6 + 30%GF : 14-16% for UL94 V0-1.6mm PA66 + 30%GF : 13-15% for UL94 V0-1.6mm
The dosage of flame retardant used may vary depending on the polymer grade, processing conditions, and glass fiber grade.	

Processing Guide:

- ▶ Before adding EFPA9501, it is generally not necessary to pre dry. If there are special requirements for the moisture content of flame retardants, we recommend pre drying (such as drying at 100°C for 4 hours).
- ▶ The optimal mixing conditions should depend on different situations, and attention should be paid to ensuring that all components are evenly dispersed, and the processing and melting temperature of the polymer should not exceed 300 °C.

Package and Storage:

25Kg PP or composite paper bag with PE liner

Should be stored in dry and ventilated storeroom. This product is non-dangerous.

For other operations, please refer to SDS instructions provided by the manufacturer.

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