



Plastic & polymer additives and solution supplier
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Technical Data Sheet

ProFlame® AN91

AN91 is a halogen-free flame retardant, which develops its effectiveness through phosphorus / nitrogen synergism. When incorporated into Epoxy resin, it exhibits high processing stability and excellent flame retardant efficiency. With low dosage 6-10%, it can reach UL94-V0 and high LOI.

Benefits

- Non-halogenated flame retardant with favorable environmental and health profile
- Suited for Epoxy resin, polyolefin for injection moulding and extrusion applications
- Low smoke density and low smoke gas corrosivity
- Good electrical and mechanical properties
- Excellent UV stability
- Good recyclability

Technical Data

Items	Spec
Appearance	White free-flowing powder
P content, %	≥20
1% TGA Temperature, °C	≥260
D50 particle size, um	≤10
PH value	3.0-6.5
Volatile,%	≤0.5
Whiteness	≥90.0
Solubility in water, 25°C, g/100mL H ₂ O	≤0.3
Bulk density,g/cm ³	0.35-0.60

Recommended dosage in Epoxy Resin : 6-10% .

It can be readily dispersed in epoxy resin systems when a high shear mixer is used.

Package & Storage:

Net weight 20-25kg composite paper bag with PE liner.

Minimum shelf life is 12 months stored in a dry and ventilated warehouse.

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