



Plastic & polymer additives and solution supplier
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Technical Data Sheet

ProFlame® PN3113

Specially for water-based acrylic coating adhesive

ProFlame-PN3113 is a formulated eco-friendly halogen-free flame retardant mainly based on phosphorus and nitrogen. It's an intumescent flame retardant in white powder form. With special surface coating treatment, PN3113 has good compatibility with the substrate, and good migration resistance.

Advantages:

1. achieving FR performance by both gas phase and solid phase mechanism
2. good colorability
3. no hydration, no blooming
4. good processability
5. low OVC content
6. no water stain with the final product
7. halogen-free, no harm to the environment and human body

Technical Data:

Items	Spec
Appearance	White free-flowing powder
P content, %	18-25
Decomposition Temperature, °C (TGA 1%)	≥320
Moisture,%	≤0.5
Average particle size (um, D50)	≤10
Specific gravity, g/cm ³	1.3

Usage:

PN3113 is mainly used in various synthetic fibres and water-based acrylic coating adhesives.

Package:

PN3113 is delivered in paper-plastic compound bag, net weight 20 or 25±0.1kg per bag.

Storage and transportation:

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

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