



Plastic & polymer additives and solution supplier
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Technical Data Sheet

ProFlame[®] PN3115

Specially for PU textile coating

ProFlame-PN3115 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, PN3115 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 VOC 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:

PN3115 is mainly used in various synthetic fibres and solvent-based polyurethane adhesive. Recommended dosage is 16-20%.

Package:

PN3115 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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