



Plastic & polymer additives and solution supplier
 E:info@novistagroup.com I: www.novistagroup.com

Technical Data Sheet

ProFlame® PN2131

ProFlame-PN2131 is formulated flame retardant based on organic phosphorus component. It is suited for GF-reinforced PA6/PA66 system. The polyamide compounds exhibit very good physical and electrical properties with PN2131. It exhibit higher heat stability and less blooming than PN1131.

	P-N system Proflame-PN2131	P-P system Proflame-PN4131	P-Si system Proflame-PN6131
Cost performance	★★★	★★	★
Migration resistance	★	★★★	★★★
Color Stability	★★★	★★	★★
Mechanical Performance	★	★★	★★★

Technical Data:

Items	Spec
Appearance	White free-flowing powder
P content, %	≥20.0
Decomposition Temperature, °C	≥350
Average particle size, um	20-40
Moisture,%	≤0.5
Whiteness	≥95

Recommended dosage:

Polymer	Dosage	UL-94	GWIT	CTI
30%GF-Reinforced PA6/PA66	14-18%	V0(0.75-1.6mm)	730°C (2mm)	600V(4mm)

Processing instruction:

1. Pre-drying the polyamide, the moisture content should be below 0.1 % (by wt.).
2. The optimum conditions for incorporating should be determined in each individual case. Care must be taken to ensure homogeneous dispersion of all components.
3. Processing temperature: not more than 350°C. In PA66 with GF30 system, the recommended extrusion temperature is 245°C-265°C; In PA6 with GF30 system, the recommended temperature is 225°C - 250°C.
4. It is most suitable for equipment with weak shear force.
5. High-quality non-alkali fiberglass is preferred.



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Package & Storage:

Net weight 25KG Kraft bag with PE liner.

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

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