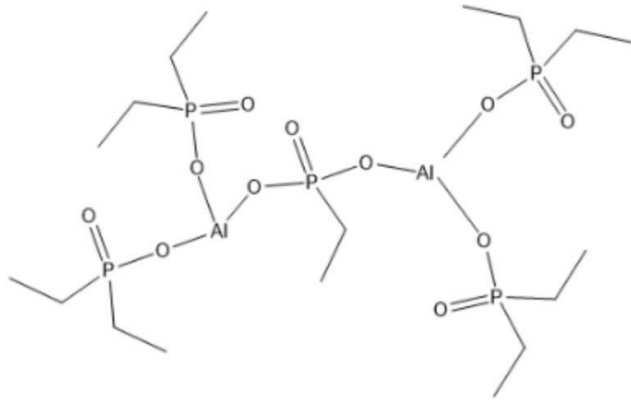


Technical Data Sheet

ProFlame[®] PN5131

ProFlame-PN5131 is chemical modified Diethyl Phosphinic Aluminum flame retardant. It is designed for high performance flame retardant engineering plastics such as polyester (PET, PBT), nylon(PA6, PA66).



1. Higher heat resistance compared to traditional Diethyl Phosphinic Aluminum
2. Higher bulk density , better dispersion , less dust
3. Higher CTI >600V
4. More transparent color in PA6 , more easy to color blending
5. Better processing ability ,No Mold fouling

Technical Data:

Items	Spec
Appearance	White free-flowing powder/columned granule
Decomposition Temperature, °C	≥390
Average particle size, um (D50)	10-15
Moisture,%	≤0.5
Whiteness	≥95
Bulk density, g/cm ³	0.6-0.7
PH value	≥4.5

Recommend dosage:

16-20% dosage can reach 1.6mm V-0 standard in Nylon and PBT reinforced system.

Processing instruction:

1. Pre-drying the Polyamide,PBT, PET ,the moisture content should be below 0.1 % (by wt.) for polyamide, 0.05% for PBT , and 0.005% for PET.
2. The temperature of the polymer melt should not exceed 350 °C.
3. It is most suitable for equipment with weak shear force.
4. Do not use low-alkali or high-alkali fiberglass. High-quality non-alkali fiberglass is preferred.

Package & Storage:

Net weight 20KG Kraft bag with PE liner. Minimum shelf life is 12 months stored in a dry and ventilated warehouse.

+86-536-8206760

info@novistagroup.com

www.novistagroup.com



Plastic & polymer additives and solution supplier

E: info@novistagroup.com | www.novistagroup.com

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Novista Group and its subsidiaries. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.