

Technical Data Sheet

ProFlame® PN3366

PN3366 is a halogen-free flame retardant with the property of high temperature resistance, hydrolysis resistance, low volatilization, low moisture absorption and low conductivity

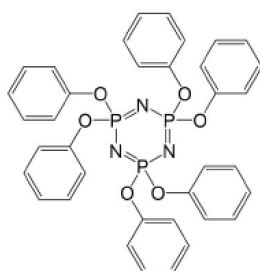
Chemical name: Hexaphenoxycyclotriphosphazene

Other name: HPCTP

CAS No.: 1184-10-7

Molecular Formula: C₃₆H₃₀N₃O₆P₃

Formula Weight: 693.57



Technical Data

Items	Spec
Appearance	White to light yellow crystal powder
P content, %	13.4±0.5
N content, %	6±0.5
5% TGA Temperature, °C	≥350
Pure %	≥99
Melting point, °C	110~112
Conductivity, μS/cm	≤30
Loss on drying, %	≤0.2

Application

Used for PC, PC/ABS, PC/PBT, PPO/HIPS. PN3366 is better high temperature resistance and transparency than other similar flame retardants, and can achieve a better balance between flame retardant and impact-resistance meanwhile; When this product is used in PC or PC/ABS alloy system, the flame retardant grade of the product can reach UL94-V0 grade when the dosage is 7-9%;

Used for Epoxy Resin. PN3366 mainly used in halogen-free flame retardant epoxy resin, downstream products can be colorless and transparent. The flame retardant epoxy resin added PN3366 can meet the requirements of 5G high frequency copper clad laminate for TG, high size stability, high toughness, low thermal expansion rate and low DKDF value.

Used for LED light-emitting diodes, powder coatings, EMC encapsulation materials, sealant materials, electronic and automotive parts as flame retardant.



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Recommended dosage

PC	142.5	135	PC/ABS(70:30)	135	127.5
PN3366	7.5	15	PN3366	15	22.5
LOI	28.3	29.4	LOI	24.1	25.0
UL94	V-2	V-0	UL94	V-1	V-0

Package & Storage

Net weight 25KG Composite paper bag.

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

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