



## Organophosphorus Frame Retardant LP-12

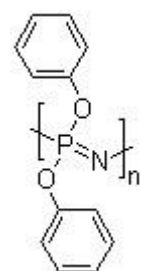
### Description:

Chemical Name: Poly(diphenoxy)phosphazene

Synonyms: Poly[nitrilo(diphenoxyphosphoranylidene)]; Poly(bisphenoxyphosphazene);

Equivalents:

Molecular Structure:



Molecular Formula:  $(C_{12}H_{10}NO_2P)_n$

Molecular Weight: 231n

CAS NO.: 28212-48-8

EINECS NO.:

### Special Features:

Poly(diphenoxy)phosphazene is a polymer of phenoxyphosphazene, with a unique P, N hybrid structure, showing high thermal stability, flame retardancy, high oxygen index (LOI) and low smoke release performance, etc., as an additive type retardant Combustion agent.

### Typical Technical Properties:

Item	LP-12L	LP-12M
Appearance:	Off-white solid	Off-white solid
Main Content(HPLC, %):	≥98.0	≥98.0
Melting Point:	60~110°C	90~113°C
Loss on Drying (%)	0.10	0.10

### Applications:

Used in epoxy resin, powder coating, plastic and other polymer materials.

### Package &Storage:

In 20KG/drum (plastic drum) or up to clients request.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.