



## Technical Data Sheet

**MATERIAL:** Polydiphenoxyphosphazene

**CATALOG NUMBER:** 421

**CAS NUMBER:** 28212-48-8

**DESCRIPTION:** Diphenyl phosphazene polymer

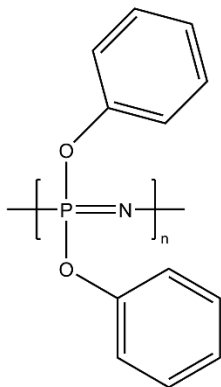
**FORMULA:**  $(C_{12}H_{10}NO_2P)_x$

**TYPICAL PROPERTIES:**

Appearance:	Chunks
Mooney viscosity:	31
Approx Mw:	400,000
Density:	1.2
Glass transition temp:	-20°C
Solubility:	Benzene, THF, toluene

**GENERAL INFORMATION:** Prepared by cationic ring opening of hexachlorocyclotriphosphazene followed by esterification with phenol. Forms hydrophobic films and fibers.

**STRUCTURE:**



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