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## **Technical Data Sheet**

MATERIAL:	Poly(p-hydroxy benzoate)

CATALOG NUMBER: 901

**CAS NUMBER:** 26099-71-8

**DESCRIPTION:** Homopolymer based on p-oxybenzoyl repeat units

FORMULA:  $(C_7H_4O_2)_n$ 

**TYPICAL PROPERTIES:** 

Appearance: Powder
Avg particle size: 7 microns
Density: 1.44
Melting point: 330°C

Solubility: Insoluble in common organic solvents

**GENERAL INFORMATION:** Homopolymer based on p-oxybenzoyl repeat units. The absence of

aliphatic hydrogens contributes to its excellent thermal stability. It is a highly crystalline polymer and has excellent solvent resistance with the exception of sulfuric acid and strong alkalis. When combined with polytetrafluoroethylene (PTFE) it produces a composite which has excellent temperature and wear resistance. Applications include seals

and self-lubricating bearings.

**STRUCTURE:** 

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