



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:

