

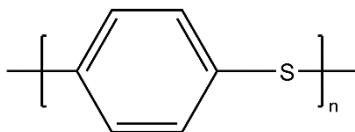


Technical Data Sheet

MATERIAL:	Poly(phenylene sulfide)
CATALOG NUMBER:	090
CAS NUMBER:	26125-40-6
DESCRIPTION:	Poly(phenylene sulfide) homopolymer
FORMULA:	$(C_6H_4S)_x$
TYPICAL PROPERTIES:	
Appearance:	Powder
Approx Number Avg Mw:	10,000
Inherent viscosity:	0.16
Density:	1.36 (15.6°C)
Glass transition temp:	150°C
Melting point:	285°C
Solubility:	(above 200°C) 1-Chloronaphthalene and in most solvents above 285°C; insoluble below 175°C

GENERAL INFORMATION: Poly(phenylene sulfide) is a crystalline aromatic polymer with a symmetrical, rigid backbone chain. The polymer has a high melting point, has outstanding chemical resistance, and exhibits good retention of mechanical properties at elevated temperatures. Polymer may be compression molded, extruded, or injection molded. Typically, applications include coatings for electrical connectors, low friction bearings, and electrical conducting polymers when doped.

STRUCTURE:



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