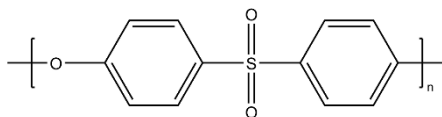




## Technical Data Sheet

<b>MATERIAL:</b>	Poly(p-phenylene ether sulphone)	
<b>CATALOG NUMBER:</b>	392	
<b>CAS NUMBER:</b>	25608-63-3	
<b>DESCRIPTION:</b>	Polyethersulphone, alternating ether/sulphone linkage	
<b>FORMULA:</b>	$(C_{12}H_8O_3S)_n$	
<b>TYPICAL PROPERTIES:</b>	Appearance:	Pellets
	Refractive index:	$n_D^{20}$ 1.65
	Density:	1.37
	Melt flow index:	12.8 g/10min (320°C)
	Vicat softening point:	226°C
	Solubility:	Aromatic amines, highly polar aromatics (i.e. DMSO, NMP), nitrobenzene, and certain chlorinated hydrocarbons, (i.e. chloroform, methylene chloride)

**GENERAL INFORMATION:** Poly(p-phenylene ether sulphone) is an amorphous thermoplastic which offers a unique combination of properties. Key properties include thermal stability, an ability to withstand loads for long periods at 180°C, retention of mechanical and electrical properties up to 210°C, and low flammability. Can be used in extrusion, injection molding, and solution coating processes. Typical applications include electrical components, automotive components, and various miscellaneous housings where a combination of chemical resistance and high temperature properties are required.

**STRUCTURE:**

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