

### Chemical Designation

PPS (Polyphenylsulfide)

### Colour

black opaque

### Density

1.43 g/cm<sup>3</sup>

### Fillers

carbon fibres, graphite, PTFE

production process: compression moulding

### Main features

- high dimensional stability
- good chemical resistance
- high creep resistance
- good heat deflection temperature
- resistance against high energy radiation
- high stiffness
- high strength

### Target Industries

- oil and gas industry

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength		35	MPa	ASTM D 638	
Elongation at break (tensile test)		1.5	%	ASTM D 638	
Flexural strength		53	MPa	ASTM D 790	
Shore hardness	Shore D	88	MPa	ASTM D 2240	



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