

# PPSU

## Description

PPSU (Polyphenylsulfone) is a high-temperature aromatic sulfone polymer. PPSU has excellent thermal and chemical resistance, making it well suited for demanding applications in automotive, aerospace, electronics, defence, industrial, medical applications.

		Test Method	Typical Value
<i>Physical Properties</i>	Specific Gravity	ISO 1183	1.28g/cc

		Test Method	Typical Value
<i>Mechanical Properties</i>	Tensile Strength	ISO 527	55 MPa
	Tensile Modulus	ISO 527	2310 MPa
	Tensile Elongation	ISO 527	3%
	Flexural Strength	ISO 178	110 MPa
	Flexural Modulus	ISO 178	2215 MPa

		Test Method	Typical Value
<i>Thermal Properties</i>	Glass Transition Temperature	DSC	230°C
	Deflection Temperature at 0.45 MPa	ISO 75	190°C

		Standard	Typical Value
<i>Fire Testing</i>	Fire Rating (*Base Resin)	UL 94	V-0 @ 1.5mm