

PPS

Property: PPS has advantages of high temperature resistance, corrosion resistance, radiation resistance, flame retardance, average mechanical properties, excellent dimensional stability and electrical properties as well. With these outstanding properties, PPS composites have already been as substitutes for certain metals in structural materials which are widely used in electronic and electrical, automobiles, chemical machinery, aviation & aerospace, as well as the military industries.

AIE PPS Products Series & Specification:

Products series	Types	Specification	Description
PPS in Chemical Engineering Field	Reinforced	R40 R70	High temperature resistance High rigidity Good dimensional stability.
PPS in Daily Commodity Field	Reinforced	R40 R70	High temperature resistance, High rigidity Good dimensional stability.
	Alloy	78G8ST	PPS/PPO High temperature resistance
		79G8ST	PPS/PA66 High toughness
PPS in Electronic & Electrical Fields	Glass fiber reinforced	RXX	High rigidity High heat resistance (XX=30、40、70 etc.)
		70-WR	High rigidity Abrasion resistance
PPS in Automobile Accessory Field	reinforced	RXX	High temperature resistance High rigidity Dimensional stability High resistance to oil and corrosion (XX=30、40、70 etc.)
	Superior toughness	R40SL	Good impact resistance

- Notes:** 1. In the glass fiber reinforced PPS composites, the actual glass fiber amount=subscript number, e.g. the actual glass fiber content of R40 is 40%;
 2. The glass fiber content of 78G8ST and 79G8ST both are 40%.

Application: Electrical & Electronics, Automobile, Mechanical Engineering, Aviation & Aerospace, Military Industries etc.

