

PEI

Property: PEI has the advantages of excellent thermal resistance, broad chemical resistance, inherent flame retardance, excellent dimensional stability, high toughness, excellent abrasion resistance, good wave-transmittance, and outstanding electrical properties. The well balance between mechanical properties and processability enable its replacing of metals in traditional products and daily commodity products.

AIE PEI Products Series & Specification :

Products series	Types	Specification	Description
PEI in Food & Medical Fields	Unmodified	150	High rigidity Semi-transparency
	High abrasion resistance	150G6-WR 150C6-WR	High abrasion resistance High rigidity
PEI in Electronic & Electrical Fields	Glass fiber reinforced	150Gx	High mechanical strength High temperature resistance Good electrical properties(x=2、4、6、8 etc.)
		150Cx	Excellent mechanical strength High temperature resistance Good electrical properties(x=2、4、6、8 etc.)
PEI in Automobile Accessories & Aircraft Fields	Unmodified	150	High rigidity Semi-transparency
	Reinforced	150Gx	Superior mechanical properties High temperature resistance Dimensional stability(x=2、4、6、8 etc.)

Notes:

In the glass fiber reinforced products, the actual glass fiber amount =subscript number x5 , e.g. the actual glass fiber amount of 150G2 is 2x5=10%.

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

