Asia International Enterprise (Hong Kong) Limited is a company focusing on the R&D, manufacture, and sales of engineering plastics. At present, AIE Limited's production capacity can reach 80,000 tons per year.

With our own specific copolymerization and blending technologies, we provide excellent quality engineering plastics and whole technical service to every customer. Our products include modified PC, PC/ABS, PBT, PET, POM, PA6, PA66, PPO, PPS and other plastic alloy including PC/PET, PC/PBT, PPS/PS, PBT/ABS and so on. In addition, AIE have modified some other special plastics like LCP, PEI, PA46, PES, PEEK, PPA, etc. By modification, the applications of the materials will be highly extended in different market segments like IT digital product, electronics & electrical products, automotives, precision technical industries, etc.

We concern the environmental protection from the beginning. Each innovation is based on environmental protection in order to make a green world industriously. Adhering to the respecting-human spirit, we not only offer employees with comfortable working condition and extensive developing chance, but also create more true value for our customers!

**Asia's Philosophy:** New materials, new

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PC/ABS HF SERIES

Detailed Product Description

Properties:
PC/ABS alloy is a combination of PC and ABS materials. It's a high heat resistance, excellent weather-ability and mold-ability, good dimensional stability, excellent low temperature impact strength, good flow-ability, high impact strength and gloss, good internal stress resistance, easy for second processing like coloring and electroplating, etc.

Corresponding to:
GE products: C1000HF, C1100HF, C1200, C1200HF, MC8002, MC1300.
BARYER products: T45, T65, T85.
LG products: HP5008, HP5004HF, GP5006A, HP5004, HP5004HF, HR5007AC, MP5000A, etc

Characteristics:
High heat resistance and impact strength

Automotive series: Has excellent heat resistance, impact strength, good flow-ability and mold-ability. Besides, it has good hydrolysis resistance and recyclable, excellent balance of mechanical and chemical

Applications:
Widely used in automotive inner parts, head lamps body, heat resistance parts in air-conditioners, ashtray, display panels, radiator covers, mobile phone housings, copies and computers housings, home appliances, communication equipments. This material is good for painting and able for ultrasonic plating processes like car hoods, air-conditioners, vacuum cleaners, televisions, light equipments, computers, mobile phones, and electrical driers, high tech instruments, etc.

**PPS SERIES**

**Detailed Product Description**

![PPS Series Products](image)

**properties:**
Polyphenylene sulfide is a high performance engineering plastic with excellent overall properties. Its main characteristics are high heat resistance, excellent wear resistance, radiation resistance, flame retardant, excellent mechanical and electrical PPS can be offered with 10-70% fiberglass/mineral reinforced.

Corresopnding: PHILIPS R-1, R-4, R-7.

**Applications:**
Widely used in automotive industries (30%), electronic and electrical industries (40%), mechanical parts (20%), chemical industries instruments, and aerospace industries, etc (10%).
**MODIFIED PA66+GF&FR SERIES**

**Detailed Product Description**

**Characteristics:**
This series is modified PA66 (Polyamide 66) raw material with 5-50% fiberglass and flame retardant. Pre-colored materials are available upon request. Compare to PA66 unfilled and PA6 with the same fiberglass contents, it has better strength, rigidity, and high heat deflection temperatures. It's also good for second processes like soldering, painting, and printing.

**Corresponding:**
DUPONT FR15, FR50,
BASF A3X2G3, A3X2G5, A3X2G7
TORAY CM3004G15, CM3004G30 etc.

**Applications:**
Widely used in plugs, coils, automotive engine fans, mechanical gears, screw heads, switches, and radiator covers etc.

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**PPO SERIES**

**Detailed Product Description**
Characteristics:

The dielectric property of PPO material can be said to be the best within all the engineering plastics. PPO material has stable and excellent electrical properties in a wide range of temperatures and frequencies. Excellent mechanical and heat properties, high mechanical strength, excellent creep resistance, almost no change on properties during temperature changes, excellent hydrolysis resistance, low shrinkage rate, good dimensional stability, prion-less, low density, and good dielectric property.

Corresponding:

GE company products: SE1X, SE100, SE100X, N225X, N300X, N190X, PX1005X, PX1007, CFN1, CFN2, CFN3, PX 9406, HS1000S, HS2000X, HM3020, HM4025, SE1GFN2, ETC.

Applications:

1. Automotive - PPO/PS alloy is suitable in conditions of wet, high dimensional stability, heavy loading and insulation requirements. Widely used for wheel covers, rear mirror frames, head lamp parts, turning system housings, display panels, rear lamp housings, connectors, fuse boxes, circuit breaker housings, and other automotive parts, etc.

PPO/PA alloy is widely used as large panels, engine covers, buffers, wheel covers, etc.
2. Electronic & electrical: switch boxes, connectors, coils, circuit breakers, sockets, capacitors, engine covers, alarm systems, transformer housings, etc.

3. Mechanical industries: pumps, water meters, sprinklers, shower heads, vibrators, etc.

4. Office equipments: Housings or covers of computers, typing machines, copiers, cashiers, fax machines, servers, etc.

**MODIFIED PC+GF&FR SERIES**

**Detailed Product Description**

![Image of granules]

Properties:
PC materials with fiberglass reinforced and flame retardant V-0 properties. It has excellent overall properties, flame retardant and RoHS certified, UL V-0 at 1.6mm, high rigidity and strength, good dimensional stability, low creep and good finished surface, suitable for high precision parts, high surface hardness, and good process ability.

Corresponding:
GE products: 500R, 3412R, 3413R.
BAYER products: 9415, 8035.
LG products: GN2101F, GN2201F, GN2301F.

Applications:
CD-ROM and DVD structure parts, cameras precision mechanical parts, electrical equipments, printers, scanners, copiers structures, computer parts, automotive display panels, and office appliances.

**MODIFIED PBT+GF&FR SERIES**

**Detailed Product Description**

Properties:

This product series is modified PBT (Polybutylene Terephthalate) raw material with 10-45% of fiberglass and flame retardant additives. Products are for injection purposes and available in different colors as per customer request. These products have UL 94-V0, excellent toughness and rigidity, easy mold-ability, good flow-ability, good dimensional stability and heat stability, good electrical properties and chemical resistance. Suitable for all kinds of product required flame retardant and heat resistance.

Corresponding:

GE DR48, 420SEO,
BASF B4406G3, B4406G6, and
DUPONT 4815, 4115, 4830, 4130 etc.

Applications:

Mainly used in connectors, electrical parts, cooling fan cases, sockets, switches, circuit breakers, bobbins, automotive charger covers and parts, plugs, motor parts,
steam irons housing and parts, saving-lamp housings, and office appliances mechanical covers, etc.

**MODIFIED PA6+GF&FR SERIES**

**Detailed Product Description**

Properties:  
This series is modified PA6 (Polyamide 6) raw material with 5-50% fiberglass and flame retardant. Pre-colored materials are available upon request. This material has high strength, high rigidity, high flame resistant grade and high heat resistance properties. It has good mold-ability and surface finish.

Applications:  
Widely used in hand tool handles, automotive supports, brakes, toy gears, filters, office chairs part, fishing pods, etc.
FR PP SERIES
Detailed Product Description

Modified high properties PP (Polypropylene) raw material with RoHS certified flameretardant additives.

Characteristics:
Good fire resistance with less smoke and less harmful elements release without affect the mechanical, electrical, and weather resistance abilities. It's poison-less, odorless, pollution free material and no toxic gases will be released during the burning process. Good mechanical and heat properties, and good dimensional stability.

Applications:
Tool boxes, display panel parts, air-conditioner systems, chairs, home appliances, lighting parts, electronic parts.

MODIFIED PET+GF&FR SERIES
Detailed Product Description

Characteristics:
high rigidity, high resistance, flame retardant, dimension stability.
corresponding to DUPONT product FR530.
Applications:
transformer framework, junction box, straight hair implement, lamp head, water pump shell, electric iron soleplate, printer black box, etc.