



JUTAI

**SPECIAL ENGINEERING
PLASTICS INTEGRATED SOLUTION**



SUZHOU JUTAI HPM CO., LTD.

📍 Add: 1 East Jiangling Road, Wujiang District,
Suzhou, Jiangsu Province, PRC

☎ Tel: +86 512 65131882

📠 Fax: +86 512 65137900

✉ Email: overseas@jutaipolymer.com

🌐 Website: www.jutaiplas.com

ABOUT JUTAI

Integrated Special Engineering Plastics Solutions

SUZHOU JUTAI HPM CO., LTD. specializes in integrated solutions for high-performance engineering plastics across a wide range of industries. Leveraging capabilities across the entire value chain—from raw material selection and custom compounding to product design optimization, precision machining, and assembly—the company delivers tailored solutions to meet specific customer requirements.

JUTAI HPM has established mature product lines including PAEK, PEI, PSU, PI, and PPS, and operates multiple European automated extrusion lines. Its manufacturing facilities are equipped with compression molding systems, high-precision injection molding machines, CNC lathes, CNC machining centers, and large-scale engraving equipment, supported by comprehensive testing and inspection capabilities.

Using premium raw materials from leading domestic and international suppliers and standardized production processes, the company serves industries such as electronics and semiconductors, mechanical equipment, petroleum and petrochemicals, aerospace, and medical and food processing equipment etc.

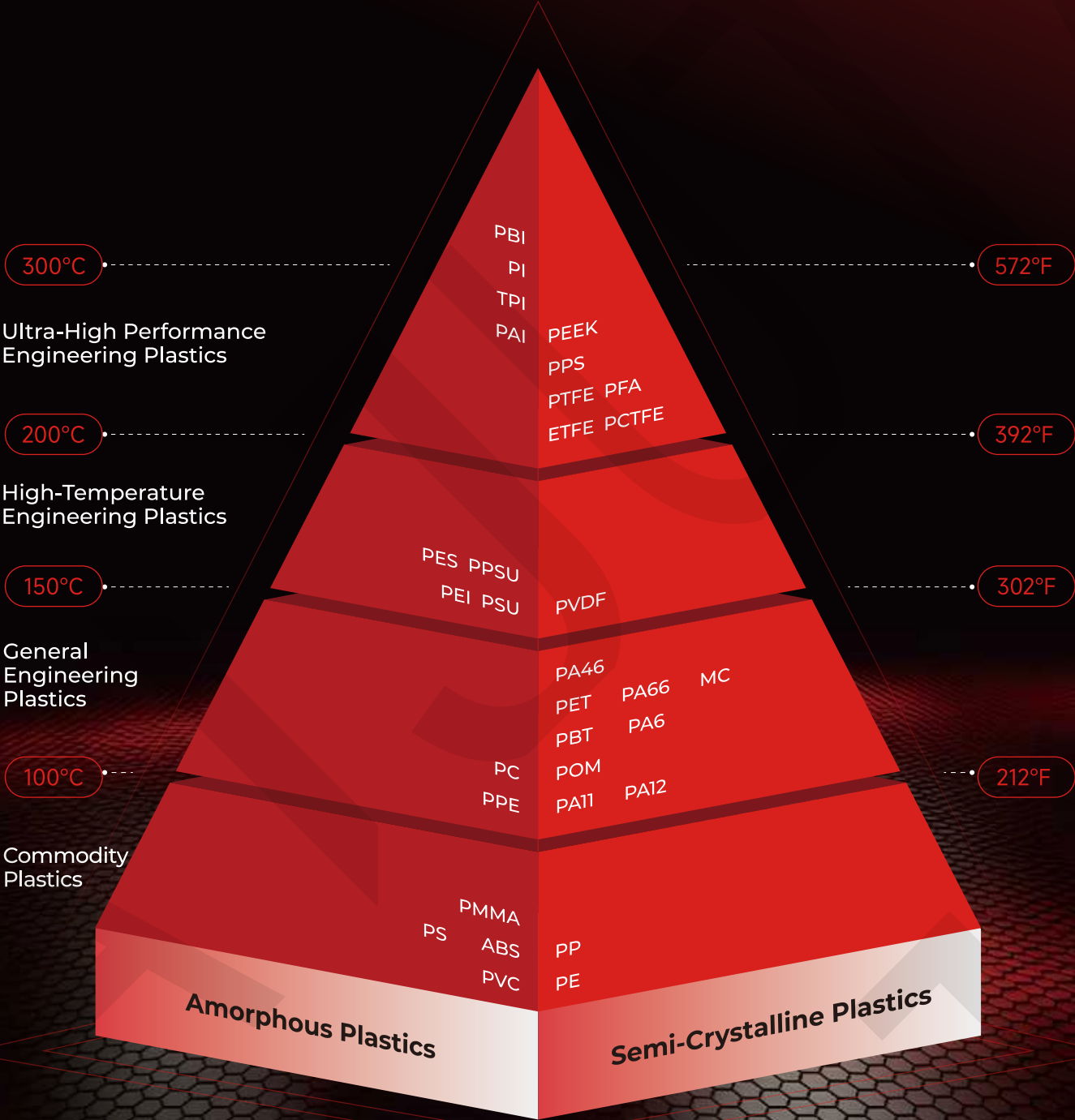


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ENGINEERING PLASTIC PYRAMID



BUSINESS CAPABILITY



Customized Solutions

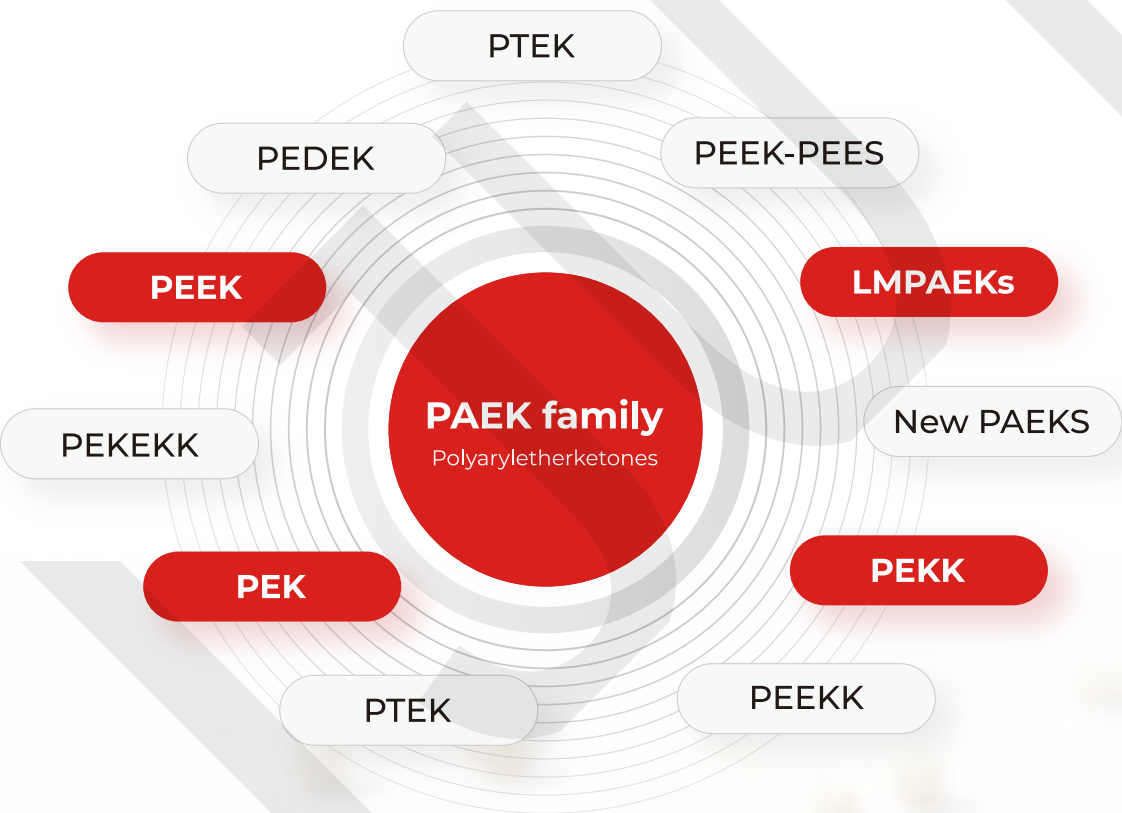
From concept to prototype, and from prototype to mass production, we provide comprehensive technical support throughout the entire process.

 Material Selection	 Extrusion Molding	 CNC Machining	 Structural Design
 Formula Customization	 Compression Molding	 Injection Molding	 Process Guidance

PAEK POLYARYLETHETERKETONE SOLUTION

| Introduction to Polyaryletherketone (PAEK)

Jutai conducted research on 300 known PAEK materials and developed optimized new-performance materials through compounding.



CUSTOMIZED SERVICE

| PAEK Resins

Formula Type	PEEK	PEK	PEKK	PAEK compounding
Virgin Resin	T2000 T3000 T4000	T2400 T3400 T4400	T2100 T3100 T4100	T2300 T3300 T4300
Glass Reinforced	T2010	-	-	T4310
Carbon Reinforced	T2020 T4021	- -	- -	T4321 T4321
Wear Resistant	T2020 T4021	- -	T2140 T2141	T2340 T2341
ESD Specifications	T2020 T4021	- -	- -	- -



JUTAIPEEK®NA

JUTAIPEEK®NA is a polymeric profile made from natural Polyether Ether Ketone (PEEK) with generally beige color. JUTAIPEEK®NAV is an extruded profile made from VICTREXTMPEEK Polymer 450G, and JUTAIPEEK®NAG is an extruded profile made from Chinese granules.

Product Features

- Outstanding stiffness and mechanical strength
- Excellent resistance to creep and fatigue
- Maintaining high tensile strength and flexural strength above 200°C
- Outstanding heat-resistance with long term service temperature at 240°C-260°C
- Outstanding electrical insulation, low dielectric constant and dielectric loss
- Outstanding chemical-resistance
- Excellent resistance to hot water and steam, which can be used in long term in steam with temperature above 200°C
- Excellent flame retardancy, UL94 V-0 class for 1.6mm thickness sample
- Low smoke generation
- Outstanding resistance to nuclear radiation, which has the best radiation-resistance among polymeric materials
- Good sliding frictional property, which has better friction factor and wear rate than most of polymeric polymers

Product Application

- Mechanical Engineering Industry
- Pump and Valve Industry
- Electronic Industry
- Chemical Industry
- New Energy Industry
- Food and Medical Device Industry
- Automobile Industry
- Aviation and Aerospace Industry

Product Technical Data

Performance	Test Method	Unit	NAG	NAV
Color	Eye	/	Beige	Beige
Density	ISO 1183-1	g/cm ³	1.30	1.30
Tensile Strength	ISO 527-2	MPa	≥100	≥100
Tensile Modulus	ISO 527-2	GPa	≥4.0	≥4.0
Elongation At Break	ISO 527-2	%	≥25	≥15
Charpy Impact Strength (Notched)	ISO 179	kJ/m ²	≥4.0	≥4.0
Flexural Strength	ISO 178	MPa	≥150	≥165
Flexural Modulus	ISO 178	GPa	≥3.5	≥4.0
Rockwell Hardness	ISO 2039-2	M	≥100	≥100
Shore D Hardness	ISO 868	Shore D	≥85	≥85
Coefficient of Linear Thermal Expansion	ISO 11359-2	10 ⁻⁶ /K	≤65	≤65
Long-term Service Temperature	UL 746B	°C	240-260	240-260
Heat Deflection Temperature	ISO 75-2	°C	≥150	≥150
Water Absorption (23°C, water, 24h)	ISO 62	%	≤0.1	≤0.1
Flammability Resistance	UL 94	/	V-0	V-0
Volume Resistivity	IEC 62631-3-1	Ω·cm	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶
Dielectric Strength	IEC 60243-1	kV/mm	≥15	≥20
Dielectric Constant (1MHz)	IEC 62631-2-1	/	3.4	3.3
Dielectric Loss (1MHz)	IEC 62631-2-1	/	0.086	0.042



JUTAIPEEK®GF30

JUTAIPEEK®GF30 is a polymeric profile made from 30% short-cut glass fiber reinforced Polyether Ether Ketone (PEEK). **JUTAIPEEK®GF30V** is an extruded profile made from VICTREX™PEEK Polymers 450GL30, and **JUTAIPEEK®GF30G** is an extruded profile made from Chinese raw material. Compared to natural PEEK, its HDT improves significantly, the strength and modulus increases and it gains better wear-resistance and lower thermal expansion. This type of products can be applied in the operating conditions that need to bear larger mechanical stress and wear rate under high temperature, such as semiconductor production process, precision bearing, tubes and components in chemical equipment and electrical system.

Product Features

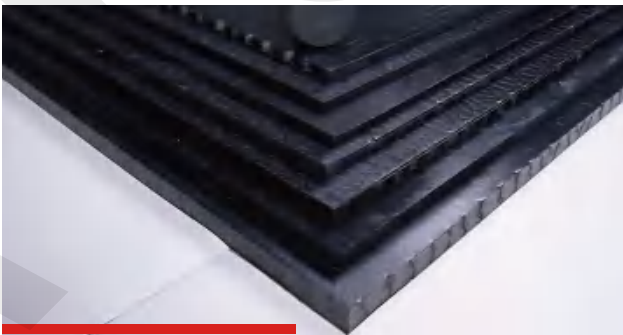
- Good tensile performance, tensile modulus ≥6.0GPa
- Good flexural performance, flexural modulus ≥7.0GPa
- Outstanding thermal mechanical bearing capacity, and HDT ≥250°C
- Outstanding wear-resistance
- Outstanding electrical insulation and dielectric performance
- Excellent dimensional stability and low thermal expansion
- High thermal endurance and the long service temperature is 220-240°C

Product Application

- Mechanical Engineering Industry
- Electrical Industry
- Semiconductor and Electronic Industry
- Chemical Industry and Petrochemical Industry

Product Technical Data

Performance	Test Method	Unit	GF30G	GF30V
Color	Eye	/	Grey-Yellow	Grey-Yellow
Density	ISO 1183-1	g/cm ³	1.51	1.51
Tensile Strength	ISO 527-2	MPa	≥100	≥100
Tensile Modulus	ISO 527-2	GPa	≥6.0	≥6.0
Charpy Impact Strength (Notched)	ISO 179	kJ/m ²	≥4.5	≥5.5
Flexural Strength	ISO 178	MPa	≥180	≥185
Flexural Modulus	ISO 178	GPa	≥6.0	≥6.0
Rockwell Hardness	ISO 2039-2	M	≥100	≥100
Coefficient of Linear Thermal Expansion	ISO 11359-2	10 ⁻⁶ /K	≤50	≤50
Long-term Service Temperature	UL 746B	°C	220-240	220-240
Heat Deflection Temperature	ISO 75-2	°C	≥230	≥230
Water Absorption (23°C, water, 24h)	ISO 62 method1	%	≤0.1	≤0.1
Flame Retardancy	UL 94	/	V-0	V-0
Volume Resistivity	IEC 62631-3-1	Ω·cm	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶



JUTAIPEEK®CF30

JUTAIPEEK®CF30 is a polymeric profile made from 30% short-cut carbon fiber reinforced Polyether Ether Ketone (PEEK). **JUTAIPEEK®CF30V** is an extruded profile made from VICTREX™PEEKPolymers 450CA30, and **JUTAIPEEK®CF30G** is an extruded profile made from Chinese raw material. Compared to 30% glass reinforced PEEK,the HDT of this product increases obviously, and it has better wear-resistance. In addition, it is electrical and heat conducting.This type of products can be applied in the operating conditions thatneed to bear larger mechanical stress and wear rate under high temperature, such as semiconductor production process, precision bearing, tubes and components in chemical equipment.

Product Features

- Good tensile performance, and tensile modulus≥10GPa
- Good flexural performance, and flexural modulus≥10GPa
- Outstanding thermal mechanical bearing capacity, and HDT≥300°C
- Outstanding wear-resistance
- Good heat conducting property
- Excellent dimensional stability and low thermal expansion
- High thermal endurance and the long-term service temperature is 240°C

Product Application

- Mechanical Engineering Industry
- Semiconductor and Electronic Industry
- Chemical Industry and Petrochemical Industry

Product Technical Data

Performance	Test Method	Unit	CF30G	CF30V
Color	Eye	/	Black	Black
Density	ISO 1183-1	g/cm ³	1.40	1.40
Tensile Strength	ISO 527-2	MPa	≥120	≥125
Tensile Modulus	ISO 527-2	GPa	≥10	≥10
Charpy Impact Strength	ISO 179	kJ/m ²	≥4.5	≥5.5
Flexural Strength	ISO 178	MPa	≥200	≥205
Flexural Modulus	ISO 178	GPa	≥10	≥10
Rockwell Hardness	ISO 2039-2	M	≥100	≥100
Melt Temperature	ISO 11357-3	°C	≥334	≥334
Thermal Conductivity	ISO 8302	W/(m·K)	0.9-1.0	0.9-1.0
Coefficient of Linear Thermal Expansion	ISO 11359-2	10 ⁻⁶ /K	≤45	≤45
Long-term Service Temperature	UL 746B	°C	240	240
Heat Deflection Temperature	ISO 75-2	°C	> 300	> 300
Water Absorption (23°C,water,24h)	ISO 62 method1	%	≤0.1	≤0.1
Flame Retardancy	UL 94	/	V-0	V-0
Volume Resistivity	IEC 62631-3-1	Ω·cm	≤10 ⁵	≤10 ⁵



JUTAIPEEK® WEAR-RESISTANT SERIES

The **JUTAIPEEK®** wear-resistant series features a low coefficient of friction and a high wear resistance rate, representing a self-lubricating, bearing-grade Polyetheretherketone (PEEK) composite profile. It is suitable for applications such as polymer bearings, gears, and dynamic seals, and is particularly well-suited for friction applications requiring low noise, low vibration, and compatibility with corrosive media.



Product Features

- Excellent sliding and friction properties
- High strength and high stiffness
- High dimensional stability
- High thermal conductivity
- High heat resistance
- Excellent corrosion resistance

Product Application

- Electronics & Electrical Industry
- Automotive Industry
- Seals Industry
- Mechanical Engineering Industry

JUTAIPEEK®WR01 WEAR-RESISTANT GRADE

JUTAIPEEK® WR01 is a polymeric profile with high grade wear-resistance.WR stands for Wear resistance. WR01 is made from 10% of short-cut carbon fiber, 10% of PTFE Powder, 10% of graphite powder modified Polyether Ether Ketone (PEEK).

JUTAIPEEK®WR02 BEARING GRADE

JUTAIPEEK® WR02 is a wear-resistant modified PolyetherEther Ketone PEEK profile. WR stands for Wear resistance. WR02 is a PEEK product modified with 20% Teflon. The Teflon used herein is specially customized, which can be uniformly dispersed in the PEEK resin to achieve a low friction coefficient and high wear resistance.

JUTAIPEEK®WR03 FLUORINE-FREE WEAR-RESISTANT GRADE

JUTAIPEEK® WR03 is a high-wear-resistant, fluo-rine-free modified Polyetheretherketone (PEEK) material.This product features a low coefficient of friction and a high wear resistance rate, making it a self-lubri-cating, compression-resistant, bearing-grade PEEK composite material.This product only supply injection molding currently.

JUTAIPEEK®WR04 FLUORINE-FREE WEAR-RESISTANT GRADE

JUTAIPEEK® WR04 is an ultra-wear-resistant, fluo-rine-free modified Polyetheretherketone (PEEK) material. Compared to **JUTAIPEEK® WR03**, it offers higher hardness and better heat resistance.This prod-uct features a low coefficient of friction and a high wear resistance rate, making it a selflubricating, com-pression-resistant, bearing-grade PEEK composite material.This product only supply injection molding currently.

Wear Resistance Grade

JUTAIPEEK® Wear-Resistant Grade	Coefficient of friction per ASTM D3702	Wear rate [μm/h] per ASTM D3702
JUTAIPEEK®WR01	0.15±0.05	4.2±0.8
JUTAIPEEK®WR02	0.42±0.10	7.3±1.5
JUTAIPEEK®WR03	0.09±0.02	4.4±1.3
JUTAIPEEK®WR04	0.05±0.02	3.5±1.2

Note: The friction and wear performance was determined using the thrust washer method per ASTM D3702. The test was conducted at a sliding speed of 2 m/s and a load of 0.35 MPa, with polished mild steel (surface roughness: 0.4 μm) as the counterpart.



JUTAIPEEK®ESD ANTISTATIC SERIES

JUTAIPEEK®ESD Series is suitable for applications in semiconductor processing auxiliary materials, semiconductor components, and industrial explosion-proof applications where electrostatic discharge must be prevented. It is commonly used in semiconductor production for handling highly sensitive components, significantly reducing damage or destruction of parts during the manufacturing process.



Product Features

- Excellent sliding and friction properties
- High strength and high stiffness
- High dimensional stability
- Excellent conductivity
- Uniform surface resistivity
- Black material with uniform coloration
- Excellent antistatic properties
- Low outgassing, no black substances release

Product Application

- Semiconductor Processing
- Petroleum & Petrochemical Industry
- Aerospace Industry
- Industrial Explosion-Proof Applications
- Chemical Industry
- Light & Textile Industry

JUTAIPEEK®EC3/5 CONDUCTIVE GRADE

JUTAIPEEK® EC3/5 is a high-end conductive filler-modified Polyetheretherketone (PEEK) profile. It exhibits excellent mechanical properties, heat resistance, wear resistance, chemical corrosion resistance, and superior conductivity, with a uniform surface resistivity of 10^3 - $10^5 \Omega/\text{sq}$.

JUTAIPEEK®ESD 6-B ANTISTATIC GRADE

JUTAIPEEK® ESD6-B is a high-end antistatic filler-modified Polyetheretherketone (PEEK) profile. It exhibits excellent mechanical properties, heat resistance, wear resistance, chemical corrosion resistance, and superior antistatic properties, with a uniform surface resistivity of 10^6 - $10^9 \Omega/\text{sq}$.

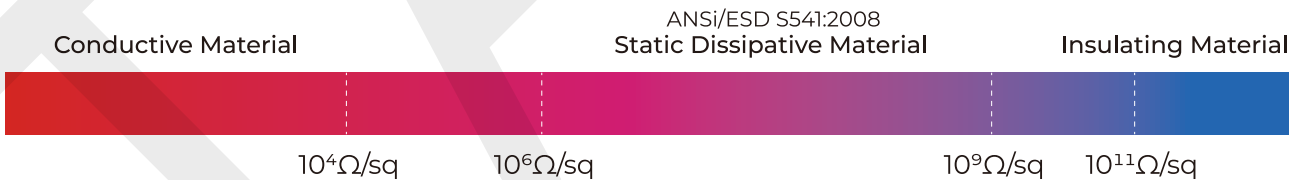
JUTAIPEEK®ESD FC ANTISTATIC GRADE

JUTAIPEEK® ESD-FC is a permanently antistatic Polyetheretherketone (PEEK) profile with uniform, stable, and well-defined surface resistivity, suitable for manufacturing various structurally complex components. It exhibits excellent mechanical properties, heat resistance, wear resistance, chemical corrosion resistance, and superior antistatic performance, featuring a uniform surface resistivity of 10^7 - $10^9 \Omega/\text{sq}$.

JUTAIPEEK®ESD10#12 ANTISTATIC GRADE

JUTAIPEEK® ESD10#12 is an antistatic filler-modified Polyetheretherketone (PEEK) profile. It exhibits excellent mechanical properties, heat resistance, wear resistance, chemical corrosion resistance, and superior antistatic properties, with a uniform surface resistivity of 10^{10} - $10^{12} \Omega/\text{sq}$.

⚡ Concept of Electrostatic Dissipation



🛡️ Anti-static Grade

ESDConductive Grade	Surface resistivity [Ω] compliant with IEC 61340-2-3	Long-term use temperature ($^{\circ}\text{C}$)
JUTAIPEEK®EC3/5	10^3 - 10^5	240
JUTAIPEEK®ESD6-B	10^6 - 10^9	240
JUTAIPEEK®ESD-FC	10^7 - 10^9	220-260
JUTAIPEEK®ESD10#12	10^{10} - 10^{12}	240

Note: The friction and wear performance was determined using the thrust washer method per ASTM D3702. The test was conducted at a sliding speed of 2 m/s and a load of 0.35 MPa, with polished mild steel (surface roughness: 0.4 μm) as the counterpart.

JUTAIPEEK®TC THERMALLY CONDUCTIVE SERIES

JUTAIPEEK®TC

JUTAIPEEK®TC is a thermally conductive Polyetheretherketone (PEEK) profile. Compared to carbon fiber-reinforced PEEK materials, this product offers higher thermal conductivity and wear resistance. Furthermore, the material retains its electrical insulation properties while providing thermal conductivity.

This product is suitable for applications in semiconductor manufacturing, high-end electronics & electrical, aerospace, medical devices, and premium industrial sectors that have stringent requirements for heat dissipation, lightweight design, and extreme environmental tolerance.



Product Features

- Excellent thermal conductivity, with an in-plane thermal conductivity > 4.0 W/(m·K)
- Excellent flexural properties, with a flexural modulus > 5.0 GPa
- Excellent thermo-mechanical load capacity, with a heat deflection temperature (HDT) > 250 °C
- Excellent wear resistance
- Excellent dimensional stability with a low coefficient of thermal expansion

Product Application

- Mechanical Engineering Industry
- Semiconductor and Electronics Industry
- Aerospace Industry
- Chemical and Petrochemical Industry

THERMALLY CONDUCTIVE GRADE

JUTAIPEEK®TC

≥4.0

In-plane thermal conductivity follow ISO 8302 [W/(m·K)]

≥10¹⁴

Volume resistivity compliant with IEC 61340-2-3[Ω·cm]

JUTAIPEEK®HTC

≥10.0

In-plane thermal conductivity follow ISO 8302[W/(m·K)]

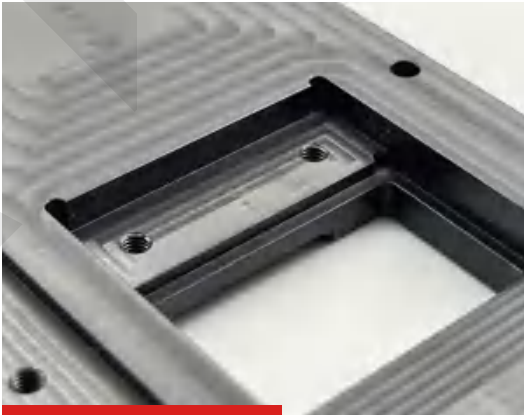
≤10¹⁰

Volume resistivity compliant with IEC 61340-2-3[Ω·cm]

JUTAIPEEK®HTC

JUTAIPEEK®HTC is an ultra-thermally conductive Polyetheretherketone (PEEK) profile. Compared to standard thermally conductive PEEK materials, this product offers significantly higher thermal conductivity, with an in-plane thermal conductivity greater than 10 W/(m·K).

This product is suitable for applications in semiconductor manufacturing, high-end electronics & electrical, aerospace, medical devices, and premium industrial sectors that have stringent requirements for heat dissipation, lightweight design, and extreme environmental tolerance.



Product Features

- Excellent thermal conductivity, with an in-plane thermal conductivity > 10.0 W/(m·K)
- Lightweight with low filler content and a density as low as 1.5 g/cm³
- Excellent flexural properties, with a flexural modulus > 6.0 GPa
- Excellent thermo-mechanical load capacity, with a Heat Deflection Temperature (HDT) > 290 °C
- Excellent wear resistance
- Excellent dimensional stability with a low coefficient of thermal expansion

Product Application

- Mechanical Engineering Industry
- Semiconductor and Electronics Industry
- Aerospace Industry
- Chemical and Petrochemical Industry



JTYPEI®NA

JTYPEI®NA is a profile produced by pure Polyetherimide (PEI) material. PEI is an amorphous polymer with a glass transition temperature of 217°C. It has similar mechanical properties to PEEK, as well as excellent heat resistance, insulation properties and flammability resistance. The product can be used in environments with high stress, fatigue stress or impact stress under high temperature, such as auto parts or interior and exterior decoration, semiconductor processing, precision bearings, mechanical load-bearing components, wind power equipment and new energy battery components.

Product Features

- High tensile strength, the strength is above 110MPa
- High bending strength, the strength is above 150MPa
- Excellent thermomechanical load-carrying capacity, heat deformation temperature is greater than 200°C
- Good creep resistance and fatigue resistance
- Excellent flame-retardant performance, low-smoke combustion
- Excellent dielectric and insulation
- Excellent dimensional stability, low thermal expansion coefficient
- High heat resistance, the long-term service temperature was 170°C
- Can transmit microwave

Product Application

- Mechanical engineering industry
- Semiconductor and electronics industry
- Automobile industry
- Home appliance industry

Product Technical Data

Performance	Test Method	Unit	NA
Color	eye	/	Translucent Amber
Density	ISO 1183-1	g/cm ³	1.28
Tensile Strength	ISO 527-2	MPa	≥110
Tensile Modulus	ISO 527-2	GPa	≥3.0
Elongation At Break	ISO 527-2	%	≥10
Charpy Impact Strength (Notched)	ISO 179	kJ/m ²	≥4.0
Flexural Strength	ISO 178	MPa	≥150
Flexural Modulus	ISO 178	GPa	≥3.0
Rockwell Hardness	ISO 2039-2	M	≥100
Glass Transition Temperature	ISO 11357-3	°C	217
Coefficient of Linear	ISO 11359-2	10 ⁻⁶ /K	≤65
Thermal Expansion	UL 746B	°C	170
Long-term Service Temperature Heat Deflection Temperature(1.80MPa)	ISO 75-2	°C	≥200
Water Absorption (23°C,water,24h)	ISO 62	%	≤0.4
Flammability resistance	UL 94	/	V-0
Volume Resistivity	IEC 62631-3-1	Ω·cm	≥10 ¹⁵
Dielectric Strength	IEC 60243-1	kV/mm	≥26
Dielectric Constant (1MHz)	IEC 62631-2-1	/	3.4
Dielectric Loss (1MHz)	IEC 62631-2-1	/	5.44*10 ⁻³



JTYPEI®GF30

JTYPEI®GF30 is a 30% short-cut glass fiber reinforced Polyetherimide (PEI) profile. It has excellent heat resistance,insulation properties and flame retardancy. Compared with natural Polyetherimide (PEI) , this product has a great improve on material strength and modulus, better wear resistance and smaller thermal expansion coefficient.

The product can be used in environments with high stress, fatigue stress or impact stress under high temperature , such as auto parts or interior and exterior decoration, semiconductor processing, precision bearings, mechanical load-bearing components, wind power equipment and new energy battery components.

Product Features

- High tensile strength, the strength is above 160MPa
- High flexural strength, the strength is above 210MPa
- Excellent thermomechanical load-carrying capacity, and heat deformation temperature was greater than 200
- Excellent flame retardant performance and arc resistance
- Excellent dielectric and insulation
- Excellent dimensional stability, low thermal expansion coefficient
- High heat resistance, can be used at 170°C-180°C in long-term.

Product Application

- Mechanical engineering industry
- Semiconductor and electronics industry
- Automotive industry
- Ergy industry

Product Technical Data

Performance	Test Method	Unit	GF30
Color	Eye	/	Olive
Density	ISO 1183-1	g/cm ³	1.51
Tensile Strength	ISO 527-2	MPa	≥160
Tensile Modulus	ISO 527-2	GPa	≥7.0
Charpy Impact Strength (Notched)	ISO 179	kJ/m ²	≥6.0
Flexural Strength	ISO 178	MPa	≥210
Flexural Modulus	ISO 178	GPa	≥5.8
Compression Strength	ISO 604	MPa	≥190
Compression Modulus	ISO 604	GPa	≥2.5
Rockwell Hardness	ISO 2039-2	M	≥110
Coefficient of Linear	ISO 11359-2	10 ⁻⁶ /K	≤30
Long-term Service Temperature	UL 746B	°C	170-180
Heat Deflection Temperature	ISO 75-2	°C	≥200
Water Absorption (23°C,water,24h)	ISO 62 method 1	%	≤0.26
Flame Retardancy	UL 94	/	V-0
Volume Resistivity	IEC 62631-3-1	Ω·cm	10 ¹⁴ -10 ¹⁶
Dielectric Strength	IEC 60243-1	kV/mm	≥25
Dielectric Constant (1MHz)	IEC 62631-2-1	/	4.0
Dielectric Loss (1MHz)	IEC 62631-2-1	/	5*10 ⁻³



JTYPEI®ESD10#13

JTYPEI®ESD10#13 is an antistatic modified Polyetherimide (PEI) profile. The base PEI material is an amorphous polymer with a glass transition temperature (Tg) as high as 217°C, offering mechanical properties comparable to PEEK, along with excellent heat resistance and flame retardancy. This product can be used to manufacture components such as handling trays, circuit boards, hard disk drives, and sensitive processing equipment.

Product Features

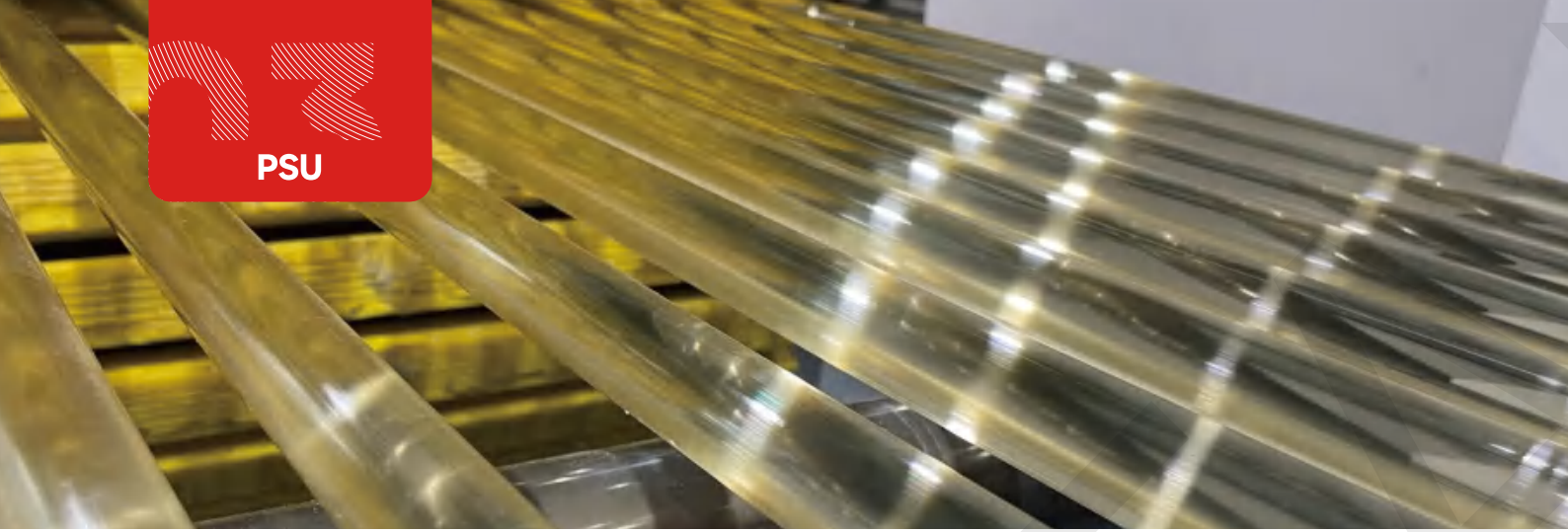
- High Thermal and Oxidative Resistance
- Good Thermal and Mechanical Properties
- Good Creep Resistance
- Good Chemical Resistance
- Resistance to High-Energy Radiation

Product Application

- Electronics Industry
- Mechanical Engineering
- Precision Engineering
- Transmission Technology
- Electrical Engineering

Product Technical Data

Performance	Test Method	Unit	NA
Density	ISO 1183-1	g/cm ³	1.30
Tensile Strength	ISO 527-2	MPa	≥110
Tensile Modulus	ISO 527-2	GPa	≥4.2
Charpy Impact Strength (Notched)	ISO 527-2	%	≥5
Flexural Strength	ISO 179	kJ/m ²	≥3.7
Flexural Modulus	ISO 178	MPa	≥145
Compression Strength	ISO 178	GPa	≥4. 1
Rockwell Hardness	ISO 2039-2	HRM	≥100
Glass Transition Temperature	ISO 11357-3	°C	215
Coefficient of Linear	ISO 11359-2	10 ⁻⁶ /K	≤60
Long-term Service Temperature	UL 746B	°C	170
Heat Deflection Temperature	ISO 75-2	°C	≥200
Water Absorption (23°C,water,24h)	ISO 62	%	≤0.4
Flame Retardancy	UL 94	/	V-0
Volume Resistivity	IEC 61340-2-3	Ω ·cm	10 ¹⁰ -10 ¹³



JUTAIPSU®NA

JUTAIPSU®NA is a polysulfone plastic (PSU) profile. PSU is an amorphous polymer with a glass transition temperature of 187°C. PSU is a transparent engineering plastic with excellent chemical resistance, stiffness and heat resistance. The polymer has conjugated benzene rings and sulfone groups in the structure, so exhibit good resistance to general acid, alkali and salt solution, Meanwhile, it also has good resistance to detergents, hot water and steam. In addition, PSU has excellent radiation resistance and low level of ionic impurities.

Product Features

- High tensile strength, the strength is greater than 75MPa
- High bending strength, the strength is greater than 100MPa
- Excellent mechanical properties under high temperature, heat deformation temperature is greater than 170°C
- Excellent dielectricity and insulativity property
- Excellent flammability resistance, arc resistance
- Excellent dimensional stability, low thermal expansion coefficient
- High heat resistance, the long-term service temperature was 160°C

Product Application

- Electronics industry
- Mechanical engineering: oil level indicator
- Food industry: microwave tableware
- Chemical industry: valve cores, flanges, pipes, pump casings and inspection windows

Product Technical Data

Performance	Test Method	Unit	NA
Color	Eye	/	Transparent Amber
Density	ISO 1183-1	g/cm ³	1.24
Tensile Strength	ISO 527-2	MPa	≥75
Tensile Modulus	ISO 527-2	GPa	≥2.5
Elongation at Break	ISO 527-2	%	≥15
Charpy Impact Strength (Notched)	ISO 179	kJ/m ²	≥4.5
Flexural Strength	ISO 178	MPa	≥100
Flexural Modulus	ISO 178	GPa	≥2.5
Ball Indentation Hardness	ISO 2039-2	MPa	≥130
Glass Transition Temperature (Tg)	ISO 11357-2	°C	187
Coefficient of Linear	ISO 11359-2	10 ⁻⁶ /K	≤60
Long-term Service Temperature	IEC 216	°C	160
Heat Deflection Temperature	ISO 75-1/2	°C	≥170
Water Absorption (23°C,water,24h)	ISO 62	%	≤0.3
Flame Retardancy	UL 94	/	V-2
Volume Resistivity	IEC 62631-3-1	Ω·cm	≥10 ¹⁴
Dielectric Strength	IEC 60243-1	kV/mm	≥37
Dielectric Constant (1MHz)	IEC 62631-2-1	/	3.1
Dielectric Loss (1MHz)	IEC 62631-2-1	/	6.4*10 ⁻³



JUTAPI®NA

JUTAPI®NA is a Polyimide (PI) profile. This material is made from a robust polyimide substrate and is suitable for demanding applications requiring excellent heat resistance, low wear and friction, strength, and impact resistance. JUTAPI®NA possesses properties that help overcome challenges in sealing, friction, and wear. It can withstand high temperatures and endure harsh operating environments in aerospace, transportation, and industrial applications.

Product Features

- Maintains long-term thermal stability at a continuous use temperature of 300°C (with short-term exposure up to 400°C)
- High heat resistance, with a maximum service temperature of up to 470°C (HDT/A)
- Good low-temperature performance, effective down to -270°C
- Retains high strength, high modulus, and high stiffness above 260°C
- Outstanding heat resistance and electrical insulation
- Exhibits high purity and low outgassing under vacuum conditions
- Good machinability
- Inherent flame retardancy

Product Application

- Mechanical Engineering
- Precision Engineering
- Aerospace Technology
- Nuclear and Vacuum Technology
- Cryogenic Engineering
- Electronic and Semiconductor Technology
- Electrical Engineering
- Electronics Industry



Product Technical Data

Performance	Test Method	Unit	NA
Color	Eye	/	Maroon、Brown
Density	ISO 1183-1	g/cm ³	1.42-1.43
Tensile Strength	ISO 527-2	MPa	≥90
Compressive Strength	ISO 604	MPa	≥110
Unnotched Impact Strength (Charpy)	ISO 179	kJ/m ²	≥80
Flexural Strength	ISO 178	MPa	≥120
Flexural Modulus	ISO 178	GPa	≥2.8
Heat Deflection Temperature	ISO 75-2	°C	≥300
Thermal Conductivity	ISO 8302	W/(m.K)	≤0.5
Dielectric Strength	IEC 60243-1	Kv/mm	≥24.5
Dielectric Constant (1MHz)	IEC 62631-2-1	1	3.2-3.4
Dielectric Loss (1MHz)	IEC 62631-2-1	/	3.5-3.7

PPS SERIES

JUTAIPPS®NA

JUTAIPPS®NA Polyphenylene Sulfide (PPS) is a semicrystalline, high-temperature thermoplastic. Due to its chemical structure, PPS is a plastic characterized by high mechanical strength and stiffness, offering excellent durability even at elevated temperatures. In addition to its low water absorption, PPS material exhibits good dimensional stability, outstanding electrical properties, and high resistance to creep, making it exceptionally suitable for components requiring the tightest tolerances.



Product Features

- High Heat Deflection Temperature (HDT)
- Good Chemical Resistance
- Resistance to High-Energy Radiation
- High Strength
- Good Dimensional Stability
- High Hardness
- Good Creep Resistance

Product Application

- Aerospace Technology
- Mechanical Engineering
- Electronics Industry
- Chemical Industry
- Oil and Gas Industry
- Food and Medical Industry
- Automotive Industry
- Vacuum Technology

JUTAIPPS®GF40

JUTAIPPS®GF40 is a 40% short-cut glass fiber reinforced Polyphenylene sulfide (PPS) profile. It has excellent heat resistance, insulation properties and flame retardancy. Compared with natural Polyphenylene sulfide (PPS), this product has a great improve on heat deflection temperature. It also has better strength and modulus, better wear resistance and smaller thermal expansion coefficient. The product can be used in high temperature environments with high stress, such as mechanical load-bearing components, sealed bearing frame automotive chassis, etc.



Product Features

- High tensile strength, the strength is above 80MPa
- High flexural strength, the strength is above 135MPa
- Excellent thermomechanical load-carrying capacity, and heat deformation temperature was greater than 230°C
- Excellent flame retardant performance and arc resistance
- Excellent dielectric and insulation
- Excellent dimensional stability, low thermal expansion coefficient
- High heat resistance, can be used at 200°C-220°C in long-term

Product Application

- Mechanical engineering industry
- Semiconductor and electronics industry
- Automotive industry
- Energy industry

CHEMICAL RESISTANCE
DATA TABLE

	PEEK	PEI	PSU	PPS
1,4 Dioxane	+	+	○	+
2-Hydroxypropionic acid	+	○	○	○
Acetic acid	+	○	+	○
Acetone	+	-	-	+
Ammonia	+	-	○	+
Ammonium chloride	+	+	○	+
Amyl alcohol	+	○	○	○
Apple juice	+	+	○	○
Benzene	+	○	-	+
Bleaching solution	○	○	○	○
Boric acid	+	○	○	○
Brake fluid	+	+	○	+
Butyl acetate	+	○	+	+
Calcium chloride	+	+	+	+
Carbon disulphide	○	○	○	○
Carbon tetrachloride	+	○	○	+
Chlorine,gas	+	○	○	○
Chlorobenzene	+	+	-	+/○
Chloroform	+	+	-	+/○
Citric acid	+	+	+	○
Cresol	○	○	○	○
Cyclohexanone	+	○	○	○
Cyclohexene	+	○	+	○
Diesel fuel	+	+	+	+
Diethylene oxide,THF	+	○	+	+
Ethyl acetate	+	+	-	+
Ethyl alcohol	+	+	+	+
Ethylene chloride	+	+	○	○
Food oil	+	+	+	○
Formaldehyde,aqu	+	+	○	○
Formic acid	○	-	○	○
Frost protection agent	+	+	+	+
Fuel,aromatic free	+	+	+	+
Glycerin	+	+	+	+
Glycol	+	+	+	○
Heating oil	+	+	+	○
Heptane	+	+	+	○
Hydrochloric acid	+	+	+	+
Hydrochloric acid	+	+	○/-	-
Hydrofluoric acid	-	○	○	○
Hydrogen peroxide	+	○	+	○

	PEEK	PEI	PSU	PPS
Hydrogen sulphide	+	○	○	○
Isopropyl alcohol	+	○	+/○	+
Linseed oil	+	○	○	○
Mercurochrome	○	○	○	○
Methyl alcohol	+	+	+	+
Methyl ethyl ketone	+	○	-	+
Methylene chloride	+	-	-	○/-
Milk	+	+	+	○
Mineral oils (aromatic free)	+	+	+	+
Nitric acid	+	-	+	+
Nitric acid	+	-	○	-
Nitrobenzene	+	○	○	○
Oxalic acid	+	○	+	○
Ozone,gas	+	○	○	○
Paraffine oil	+	+	○	○
Perchlorethylene	+	○	-	+
Petroleum	+	○	○	○
Petroleum ether	+	○	○	○
Phenol,aqu	+	○	○	+
Phosphoric acid	+	+	+	+
Potassium hydroxide liquor	+	-	○	○
Premium fuel	+	+	○	+
Propyl alcohol	+	○	○	○
Pyridine	+	-	○	○
Silicone oil	+	+	+	○
Sodium carbonate,aqu	+	+	+	○
Sodium chloride,aqu	+	+	+	+
Sodium hydrogen sulfite	+	+	○	○
Sodium hydroxide liquor	+	○	+	+
Sodium hydroxide liquor	+	○	+	○/-
Sodium nitrate,aqu	+	○	○	○
Sodium thiosulfate	+	○	○	○
Sulphuric acid	-	○/-	-	+/○
Tetrahydrofurane	+	+	○	+
Toluene	+	+/○	-	+/○
Transformer oil	+	+	+	+
Trichlorethylene	+	+	-	+
Vinegar,standard	+	+	+	○
Water	+	+	+	+
Xylene	+	○	-	+

Note: +: No interaction ○: Slight interaction -: Severe interaction
The data provided above is for reference only. As properties may vary under different service conditions, this table should not be taken as a guarantee of material performance.



TECHNICAL DATA SHEET

Performance	Test Method	Unit	PEEK Series						Wear-Resistant Series				Antistatic Series					Thermally Conductive Series		PEI Series		PSU Series	PI Series	PPS Series	
			JUTAIPEEK® NAG	JUTAIPEEK® NAV	JUTAIPEEK® GF30G	JUTAIPEEK® GF30V	JUTAIPEEK® CF30G	JUTAIPEEK® CF30V	JUTAIPEEK® WR01	JUTAIPEEK® WR02	JUTAIPEEK® WR03	JUTAIPEEK® WR04	JUTAIPEEK® EC3/5	JUTAIPEEK® ESD6-B	JUTAIPEEK® ESD-FC	JUTAIPEEK® ESD10#12	JTYPEI® ESD10#13	JUTAIPEEK® TC	JUTAIPEEK® HTC	JTYPEI® NA	JTYPEI® GF30	JUTAIPSU® NA	JUTAIPI® NA	JUTAIPPS® NA	JUTAIPPS® GF40
Color	Eye	/	Beige	Beige	Grey-Yellow	Grey-Yellow	Black	Black	Black	Beige	Black	Black	Black	Black	Black	Black	Black	BlackBlack	Black	Translucent amber	Olive	Transparent amber	Maroon,Brown	Beige/Black	Black
Density	ISO 1183-1	g/cm³	1.30	1.30	1.51	1.51	1.40	1.40	1.43	1.40	1.44	1.44	1.40	1.37	1.35-1.36	1.31	1.30	1.65	1.50	1.28	1.51	1.24	1.42-1.43	1.35±0.02	1.66
Water Absorption (23°C, Water, 24h)	ISO 62	%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.1	0.11	0.4	0.2	0.2	0.4	0.26	0.3	0.3	0.05	0.05

Mechanical Properties ⁽¹⁾																									
Tensile Strength ⁽²⁾	ISO 527-2	MPa	100	100	100	100	120	125	90	65	195	195	100	105	100	100	110	105	130	110	160	75	100	75	80
Tensile Modulus	ISO 527-2	GPa	4.0	4.0	6.0	6.0	10	10	6.0	2.5	19.5	-	4.0	4.0	4.0	4.1	4.2	5.0	7.0	3.0	7.0	2.5	3.8	2.5	5.0
Charpy Impact Strength ^{(Notched)(4)}	ISO 179	kJ/m²	4.0	4.0	4.5	5.5	4.5	5.5	4.0	4.0	5.0	6.0	5.0	4.0	3.5	3.7	3.7	3.3	3.5	4.0	6.0	4.5	8.0	2.0	7.5
Flexural Strength ⁽³⁾	ISO 178	MPa	150	165	180	185	200	205	140	100	290	290	140	150	150	145	145	160	180	150	210	100	120	130	135
Flexural Modulus	ISO 178	GPa	3.5	4.0	6.0	6.0	10	10	6.0	2.8	17	17	3.7	4.1	4.5	4.1	4.1	5.0	6.0	3.0	5.8	2.5	2.8	3.2	7.0
Rockwell Hardness ⁽⁵⁾	ISO 2039-2	M	100	100	100	100	100	100	100	88	100	100	100	100	100	100	100	102	102	100	110	85	120	88	90
Coefficient of Friction	ASTM D3702	/	0.32	0.31	0.35	0.35	0.29	0.28	0.15	0.42	0.09	0.05	0.3	0.31	0.29	0.31	0.36	0.26	0.24	0.39	0.45	0.45	0.3	0.35	0.45

Thermal Properties ⁽⁶⁾																									
Coefficient of Linear	ISO 11359-2	10 ⁻⁶ / K	65	65	50	50	45	45	50	65	9	9	60	50	60	50	60	30	30	65	30	60	42	80	45
Long-term Service Temperature ⁽⁷⁾	UL 746B	°C	240-260	240-260	220-240	220-240	240	240	240	240	240-260	240-260	240	240	220-260	240	170	240	240	170	170-180	160	300	180	200-220
Heat Deflection Temperature	ISO 75-2	°C	150	150	230	230	300	300	260	143	343	367	170	170	175	170	200	250	290	200	200	170	300	120	230
Flame Retardancy Rating	UL 94	/	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-2	V-0	V-0	V-0
Melting Point	ISO 11357-2	°C	334	334	334	334	334	334	334	334	343	373	334	334	334	334	-	334	334	-	-	-	-	280	280
Thermal Conductivity	ISO 8302	W/(m·K)	0.25	0.25	0.43	0.43	0.9-1.0	0.9-1.0	0.7-1.0	-	1.3	1.3	2	0.5	0.5	0.5	0.2	4	10	0.2	0.24	0.26	0.5	0.3	0.35
Glass Transition Temperature	ISO 11357-3	°C	143	143	143	143	143	143	143	143	143	143	143	143	143	143	217	143	143	217	217	187	375	87	87

Electrical Properties																									
Volume Resistivity	IEC 62631-3-1	Ω ·cm	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶	10 ⁵	10 ⁵	-	10 ¹⁴ -10 ¹⁶	10 ⁶	10 ⁶	-	-	-	-	-	-	-	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶	10 ¹⁴ -10 ¹⁶
Surface Resistivity	IEC 61340-2-3	Ω/sq	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵	-	-	10 ¹¹	10 ¹³ -10 ¹⁵	10 ⁵	10 ⁵	10 ³ -10 ⁵	10 ⁶ -10 ⁹	10 ⁶ -10 ⁹	10 ¹⁰ -10 ¹²	10 ¹⁰ -10 ¹³	10 ¹⁴	10 ¹⁰	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵	10 ¹³ -10 ¹⁵
Dielectric Strength (8)	IEC 60243-1	kV/mm	15	20	20	18	-	-	-	26	-	-	-	-	-	-	-	-	-	26	25	37	24.5	15	15
Dielectric Constant (1MHz)	IEC 62631-2-1	/	3.4	3.5	4.12	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	4.0	3.1	3.2-3.4	3.2-3.6	3.8
Dielectric Loss (1MHz)	IEC 62631-2-1	/	0.086	0.043	0.031	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	5.44*10 ⁻³	5.00*10 ⁻³	6.4*10 ⁻³	3.5-3.7	2.7*10 ⁻³	4.8*10 ⁻³

Note: 1g/cm²=1,000 kg/m²; 1 MPa=1 N/mm²; 1 kV/mm=1 MV/m.

- (1) The property values listed in the table are average values obtained from tests conducted on specimens machined from profiles with a thickness of 20-30 mm.
- (2) Test speed: 50 mm/min
- (3) Test speed: 1 mm/min
- (4) Pendulum used: 6 J

- (5) Measured on specimens with a thickness of 6.5 mm
- (6) Most of these property data are sourced from raw material supplier data and other publications.
- (7) The temperature resistance is maintained for at least 2000 hours. After this period, the tensile strength (measured at 23°C) will be reduced by approximately 50% compared to the original value. Therefore, the temperature values given here are based on the onset of thermal-oxidative degradation leading to a decline in properties. However, please note that in many cases, the maximum allowable service tempe rature depends fundamentally on the magnitude and duration of the mechanical stress applied to the material.

- (8) Electrode configuration: coaxial cylinders with diameters of 25 mm / 75 mm; immersed in transformer oil according to IEC 60243; specimen thickness is 2 mm.

★ The data presented in this table are typical values intended primarily for comparing the properties of different materials and are helpful for material selection. The values listed here fall within the normal range of the material's product performance. However, they are not guaranteed, should not be used to establish material specification limits, and should not be used alone as design basis.

PROFILE MACHINING GUIDE

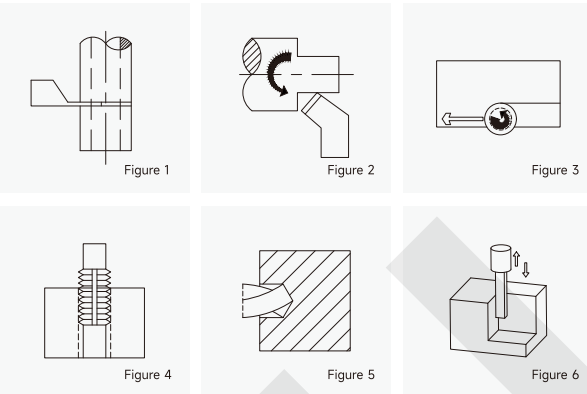
When machining non-reinforced thermoplastics, high-speed steel is a suitable tool material; however, for reinforced grades, the use of carbide steel is essential. Maintaining sharp cutting edges is crucial in all machining processes. Due to the poor thermal conductivity of plastics, effective control of heat buildup is necessary, and optimal cooling is achieved through the tool itself.

Dimensional Stability

Primary Prerequisite: To achieve high dimensional accuracy, it is essential to start from semi-finished products that have undergone internal stress relief treatment.

Core Issue: Heat generated during machining can induce the release of internal stresses, leading to workpiece deformation.

Key Countermeasure: For workpieces with significant machining allowances, an annealing step should be added after rough machining to eliminate machining stresses.



Note that plastics generally have a wider dimensional tolerance band than metals, and their coefficient of thermal expansion is also significantly greater. These factors must be fully considered during design and machining.

Standard Machining Solutions for High Performance Plastics

01 Cutting ▼

① Cutting Method

It is recommended to use a lathe tool or an electric woodworking circular saw for cutting, with the saw blade selected as a coarse-toothed model.

② Process Parameters

The cutting speed should not be set too high to prevent chip melting and the occurrence of material adhesion to the tool due to overheating. When conditions permit, the use of cutting fluid or a water cooling system is recommended for effective temperature control.

③ Tool Selection

Compared to high-speed steel saw blades, tungsten carbide (hard alloy) saw blades offer superior wear resistance, which contributes to achieving a cut surface with a higher finish quality.

02 Milling and Turning ▼

① Tool Selection

For non-reinforced virgin plastics, sharp carbide tools can be used; for the batch production of carbon fiber (CFRP) or glass fiber (GFRP) reinforced plastics, diamond tools are recommended to ensure machining economy and quality.

② Cooling and Temperature Control

Ample coolant must be applied during the machining process. Its purpose is to suppress the instantaneous high temperatures generated by tool-workpiece friction, thereby preventing the workpiece material from melting or developing micro-cracks.

③ Fiber Chip Handling

When machining glass fiber reinforced plastics (GFRP), special attention must be paid to the problem of chip entanglement, which can interfere with the normal machining process and ultimately compromise the dimensional accuracy and surface finish of the workpiece.

④ Milling/Turning Parameters

During milling and turning operations, a smaller feed per revolution should be employed, coupled with a sufficient and effectively delivered supply of cutting fluid to the cutting zone to ensure effective chip removal and cooling.

⑤ Small-Hole Machining

For small-hole machining with diameters of 4 mm or less, a lower rotational speed is advisable, coupled with frequent tool retraction during the process to facilitate chip evacuation. This helps prevent hole wall melting or quality defects caused by chip clogging.

⑥ Large-Hole Machining

For machining holes with diameters larger than 10 mm, to avoid the risk of workpiece chipping that may arise from using a large-diameter drill directly, a stepwise machining strategy is recommended: first, pre-drill a pilot hole using a ϕ 8-10 mm drill bit, and then bore to the final dimension.

03 Plunge Cutting ▼

① Cutting Parameters

During the machining process, a smaller depth of cut and a lower feed rate should be employed to control the cutting force and heat input.

② Edge Machining Strategy

When machining near the edge of a workpiece, pre-supporting measures should be implemented to prevent chipping defects. For example, ordinary plastic plates can be placed on both the upper and lower surfaces of the workpiece to act as a buffer.

③ Application Scenarios

This process method is primarily applicable to the precision machining of gear-type components or for subsequent processing, such as clean-up operations on product contours, edges, and corners.

04 Safety Precautions ▼

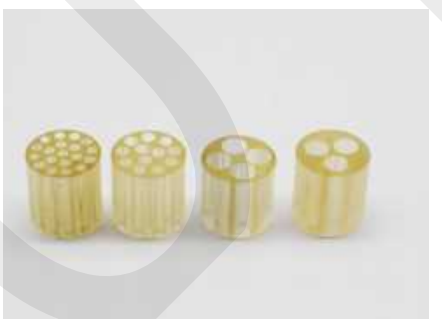
Failure to strictly adhere to these machining guidelines may result in localized overheating of the material, which can induce plastic degradation. For materials such as Polytetrafluoroethylene (PTFE), gases released during the degradation process must be promptly evacuated using exhaust systems. To ensure operator safety, smoking is strictly prohibited within the machining area to prevent the risk of poisoning.

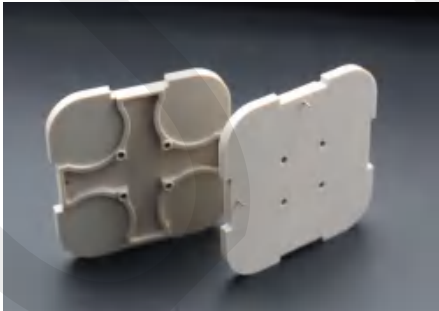
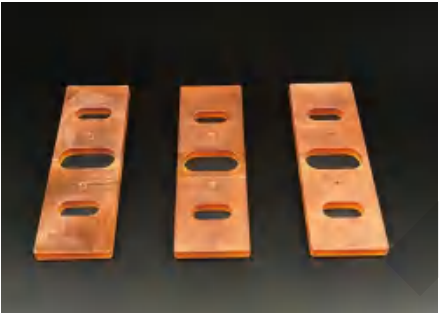
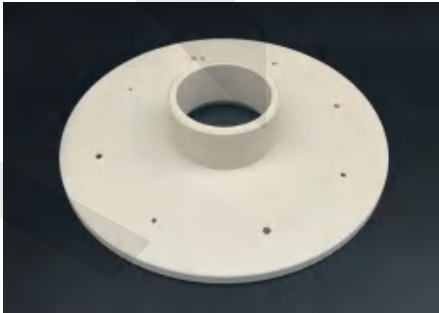
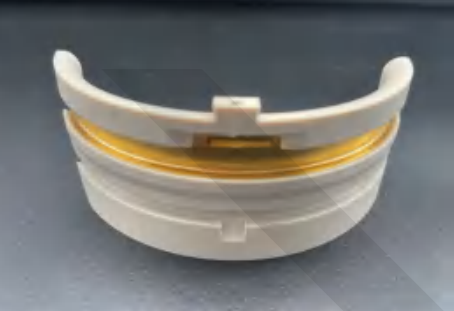


INDUSTRY
APPLICATION

SPECIAL ENGINEERING
PLASTICS INTEGRATED SOLUTION







SPECIFICATION TABLE

JTYPEI®NA Specifications

Sheet ▼

T/mm	Length/mm	kg/m	T/mm	Length/mm	kg/m
6.35	1260*1000/2000/3000	11.05	50.80	1260*1000/2000/3000	82.74
9.50	1260*1000/2000/3000	16.13	57.15	1260*1000/2000/3000	92.98
12.70	1260*1000/2000/3000	21.29	63.50	1260*1000/2000/3000	103.22
15.80	1260*1000/2000/3000	26.29	69.80	1260*1000/2000/3000	113.38
19.00	1260*1000/2000/3000	31.45	76.20	1260*1000/2000/3000	123.70
22.20	1260*1000/2000/3000	36.61	82.50	1260*1000/2000/3000	133.86
25.40	1260*1000/2000/3000	41.77	88.90	1260*1000/2000/3000	144.18
31.75	1260*1000/2000/3000	52.01	95.20	1260*1000/2000/3000	154.34
38.10	1260*1000/2000/3000	62.25	101.60	1260*1000/2000/3000	164.67
44.60	1260*1000/2000/3000	72.74	-	-	-

T/mm	Length/mm	kg/m	T/mm	Length/mm	kg/m
6.35	620*1000/2000/3000	5.52	50.80	620*1000/2000/3000	41.37
9.50	620*1000/2000/3000	8.06	57.15	620*1000/2000/3000	46.49
12.70	620*1000/2000/3000	10.64	63.50	620*1000/2000/3000	51.61
15.80	620*1000/2000/3000	13.14	69.80	620*1000/2000/3000	56.69
19.00	620*1000/2000/3000	15.72	76.20	620*1000/2000/3000	61.85
22.20	620*1000/2000/3000	18.31	82.50	620*1000/2000/3000	66.93
25.40	620*1000/2000/3000	20.89	88.90	620*1000/2000/3000	72.09
31.75	620*1000/2000/3000	26.01	95.20	620*1000/2000/3000	77.17
38.10	620*1000/2000/3000	31.13	101.60	620*1000/2000/3000	82.33
44.60	620*1000/2000/3000	36.37	-	-	-

Rod ▼

OD/mm	Length/mm	kg/m	OD/mm	Length/mm	kg/m
6.35	1000/2000/3000	0.04	50.80	1000/2000/3000	2.69
9.50	1000/2000/3000	0.12	57.15	1000/2000/3000	3.37
12.70	1000/2000/3000	0.17	63.50	1000/2000/3000	4.05
15.80	1000/2000/3000	0.29	69.80	1000/2000/3000	5.28
19.00	1000/2000/3000	0.43	76.20	1000/2000/3000	6.07
22.20	1000/2000/3000	0.53	82.50	1000/2000/3000	7.09
25.40	1000/2000/3000	0.67	88.90	1000/2000/3000	8.80
31.75	1000/2000/3000	1.12	101.60	1000/2000/3000	10.75
38.10	1000/2000/3000	1.56	152.40	1000/2000/3000	23.75
44.60	1000/2000/3000	2.21	-	-	-

JUTAIPEEK®NA Specifications

Sheet ▼

T/mm	Length/mm	kg/m	T/mm	Length/mm	kg/m
5	1240*1000/2000/3000	9.88	35	1240*1000/2000/3000	60.90
6	1240*1000/2000/3000	11.50	40	1240*1000/2000/3000	69.10
8	1240*1000/2000/3000	14.83	45	1240*1000/2000/3000	78.20
10	1240*1000/2000/3000	18.45	50	1240*1000/2000/3000	87.30
12	1240*1000/2000/3000	21.70	60	1240*1000/2000/3000	103.50
16	1240*1000/2000/3000	28.30	70	1240*1000/2000/3000	121.00
20	1240*1000/2000/3000	35.00	80	1240*1000/2000/3000	137.50
25	1240*1000/2000/3000	44.65	90	1240*1000/2000/3000	154.50
30	1240*1000/2000/3000	52.70	100	1240*1000/2000/3000	172.00

T/mm	Length/mm	kg/m	T/mm	Length/mm	kg/m
5	620*1000/2000/3000	4.94	35	620*1000/2000/3000	30.45
6	620*1000/2000/3000	5.75	40	620*1000/2000/3000	34.55
8	620*1000/2000/3000	7.42	45	620*1000/2000/3000	39.10
10	620*1000/2000/3000	9.23	50	620*1000/2000/3000	43.65
12	620*1000/2000/3000	10.85	60	620*1000/2000/3000	51.75
16	620*1000/2000/3000	14.15	70	620*1000/2000/3000	60.50
20	620*1000/2000/3000	17.50	80	620*1000/2000/3000	68.75
25	620*1000/2000/3000	22.33	90	620*1000/2000/3000	77.25
30	620*1000/2000/3000	26.35	100	620*1000/2000/3000	86.00

Rod ▼

OD/mm	Length/mm	kg/m	OD/mm	Length/mm	kg/m
8	1000/2000/3000	0.08	75	1000/2000/3000	6.14
10	1000/2000/3000	0.11	80	1000/2000/3000	7.02
12	1000/2000/3000	0.17	90	1000/2000/3000	8.83
15	1000/2000/3000	0.25	100	1000/2000/3000	11.00
20	1000/2000/3000	0.44	110	1000/2000/3000	13.03
25	1000/2000/3000	0.68	120	1000/2000/3000	15.44
30	1000/2000/3000	0.98	130	1000/2000/3000	18.05
35	1000/2000/3000	1.32	140	1000/2000/3000	20.87
40	1000/2000/3000	1.72	150	1000/2000/3000	24.05
45	1000/2000/3000	2.17	160	1000/2000/3000	27.60
50	1000/2000/3000	2.75	170	1000/2000/3000	31.07
55	1000/2000/3000	3.31	180	1000/2000/3000	34.74
60	1000/2000/3000	3.80	190	1000/2000/3000	38.62
65	1000/2000/3000	4.48	200	1000/2000/3000	42.70
70	1000/2000/3000	5.33	-	-	-

Note: Subject to actual shipping weight.



Date.