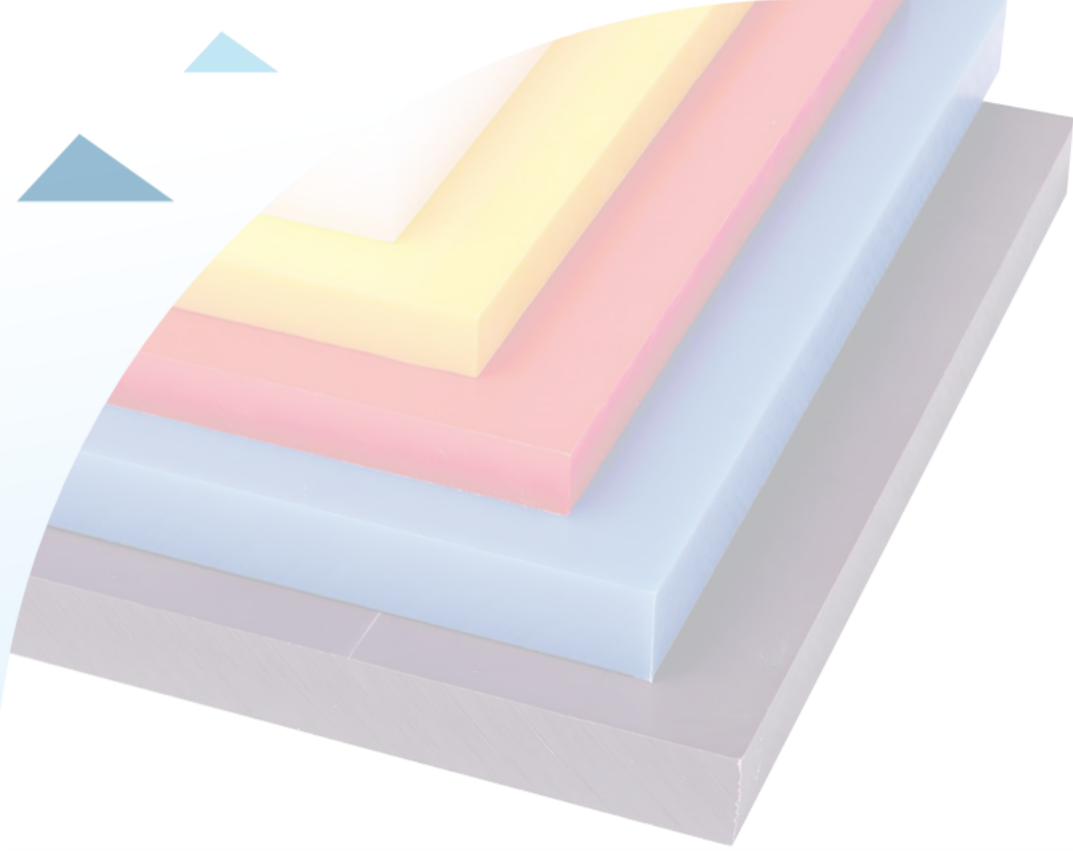




MakeWell

Makewell Marine®

PRODUCT BROCHURE

MakeWell

Changzhou Makewell Industry Co.,Ltd

Add: Gounan Industrial Park.Wujin District,Changzhou City,Jiangsu Province

Suzhou Makewell Industry Co.,Ltd

Add: No.1999 Songjia Road,Guoxiang Street,Economic Development Zone,
Wuzhong District,Suzhou City,Jiangsu Province

VERTEX TRADE SERVICE PET,LTD

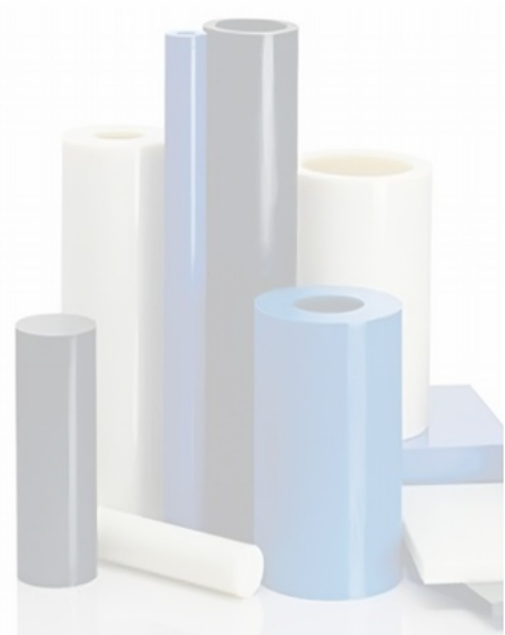
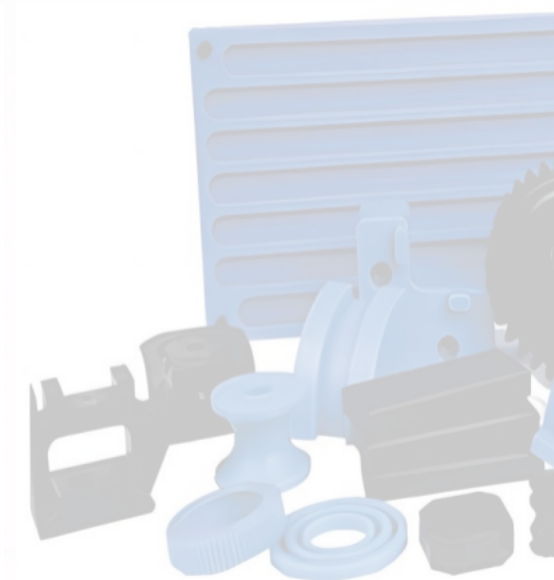
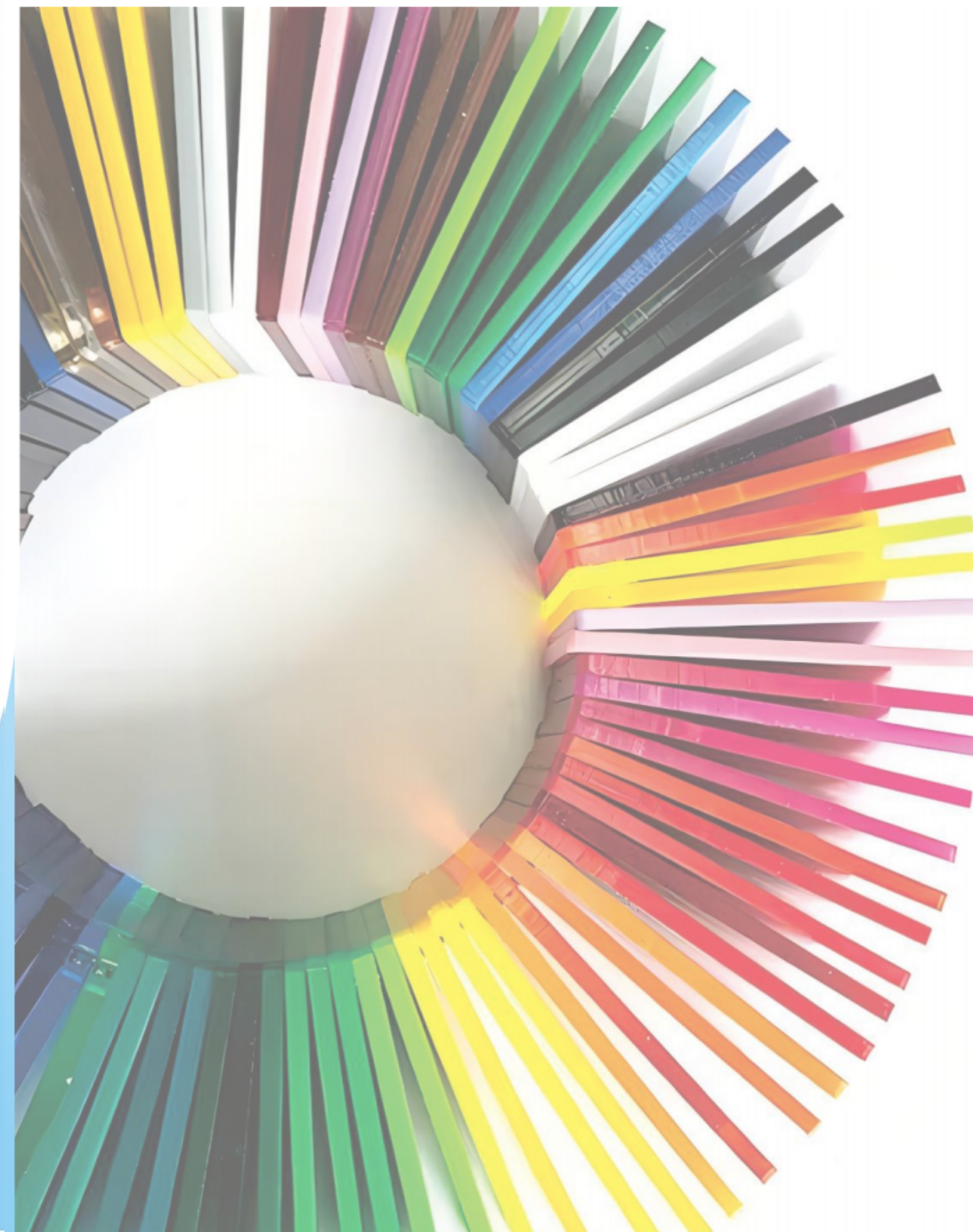
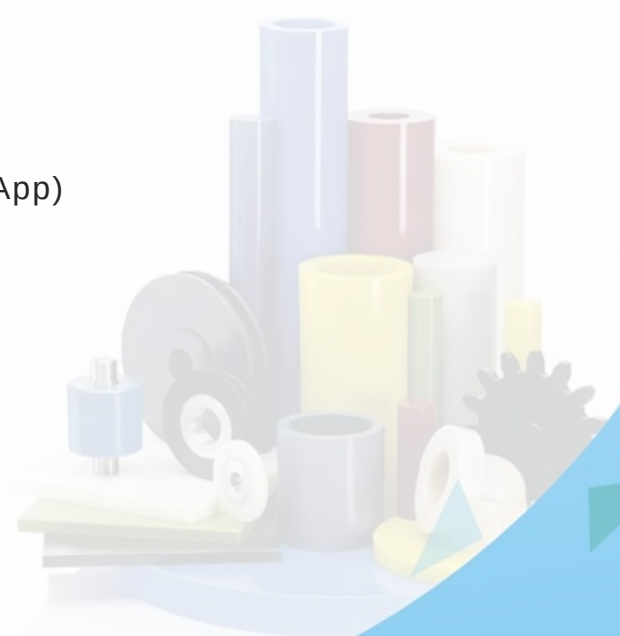
Add:10 KAKI BUKIT ROAD 2#01-36 FIRST EAST CENTRE,SINGAPORE 417868

Web:www.makewellplastic.com

<https://makewellcz.en.alibaba.com>

Tel:+86-18626201100(Wechat/WhatsApp)

Email:info@makewellcz.com





COMPANY PROFILE

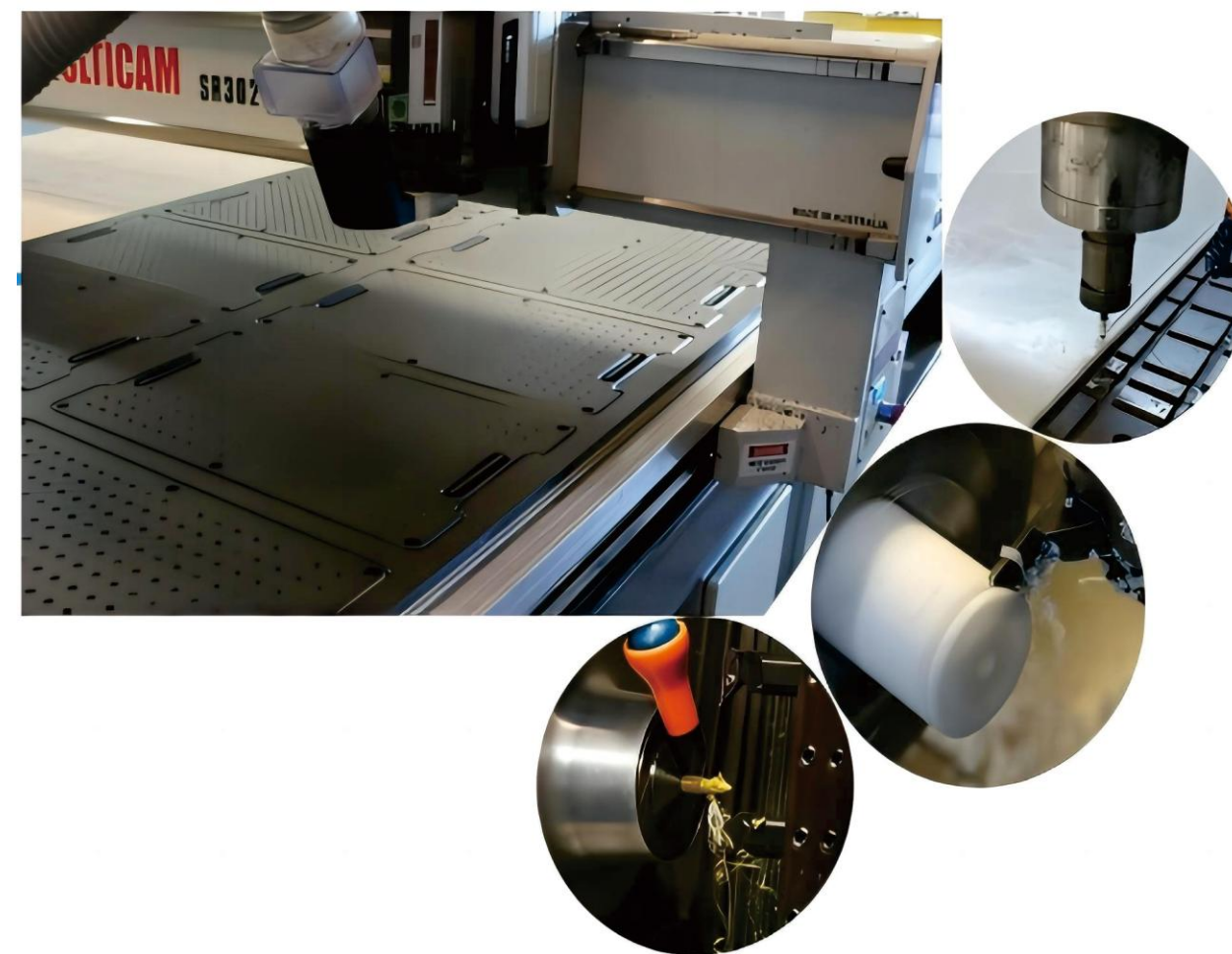
Changzhou Makewell Industry Co., Ltd. is a leading manufacturer and distributor of thermoplastic engineering plastic profiles and machined parts, operating from its facilities in Suzhou and Shandong. We offer an extensive range of high-quality engineering thermoplastics machining parts, including extrusion lines for POM, PEEK, PPS, and PEI plates and rods. Our capabilities encompass CAD/CAM design and manufacturing, as well as CNC machining services such as milling, routing, spindle molding, grinding and stamping.

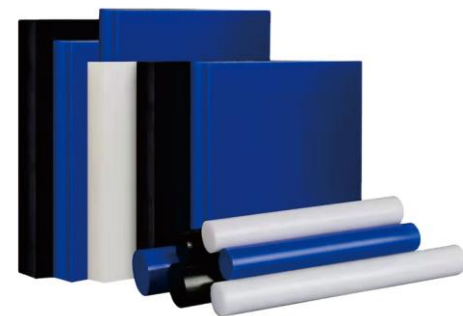
Makewell specializes in products for the ship and marine industries, providing high-temperature resistant plastics and engineering plastics tailored for various sectors. Our portfolio includes a wide array of standard and custom-made precision plastic components that ensure material safety.

Optimized sliding performance, wear resistance, high operating temperature, high strength, dimensional stability and chemical resistance are key attributes that make our materials suitable alternatives for traditional options.



FACILITY





Nylon (PA6/66)

PA6 has good damping properties and excellent impact strength and toughness even at low temperatures. In addition, it also has good wear resistance, especially when the surface of the mating part is rough. compared with cast nylon PA6C, extruded nylon PA6 has higher extruded nylon PA6 has higher hygroscopic properties, poor wear resistance, and slightly poor dimensional stability.

PA6 IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Semiconductor process components

PERFORMANCE CHARACTERISTICS:

- High toughness
- Electrical insulation
- Good wear resistance
- Good weldability and bondability
- High strength
- Good sliding and wear resistance
- Good processability

COMMON BRANDS:

Makewell Marine®
SUSTAMID®
TECAMID®
Nylatron®
Ertalon®

PRODUCT SIZE

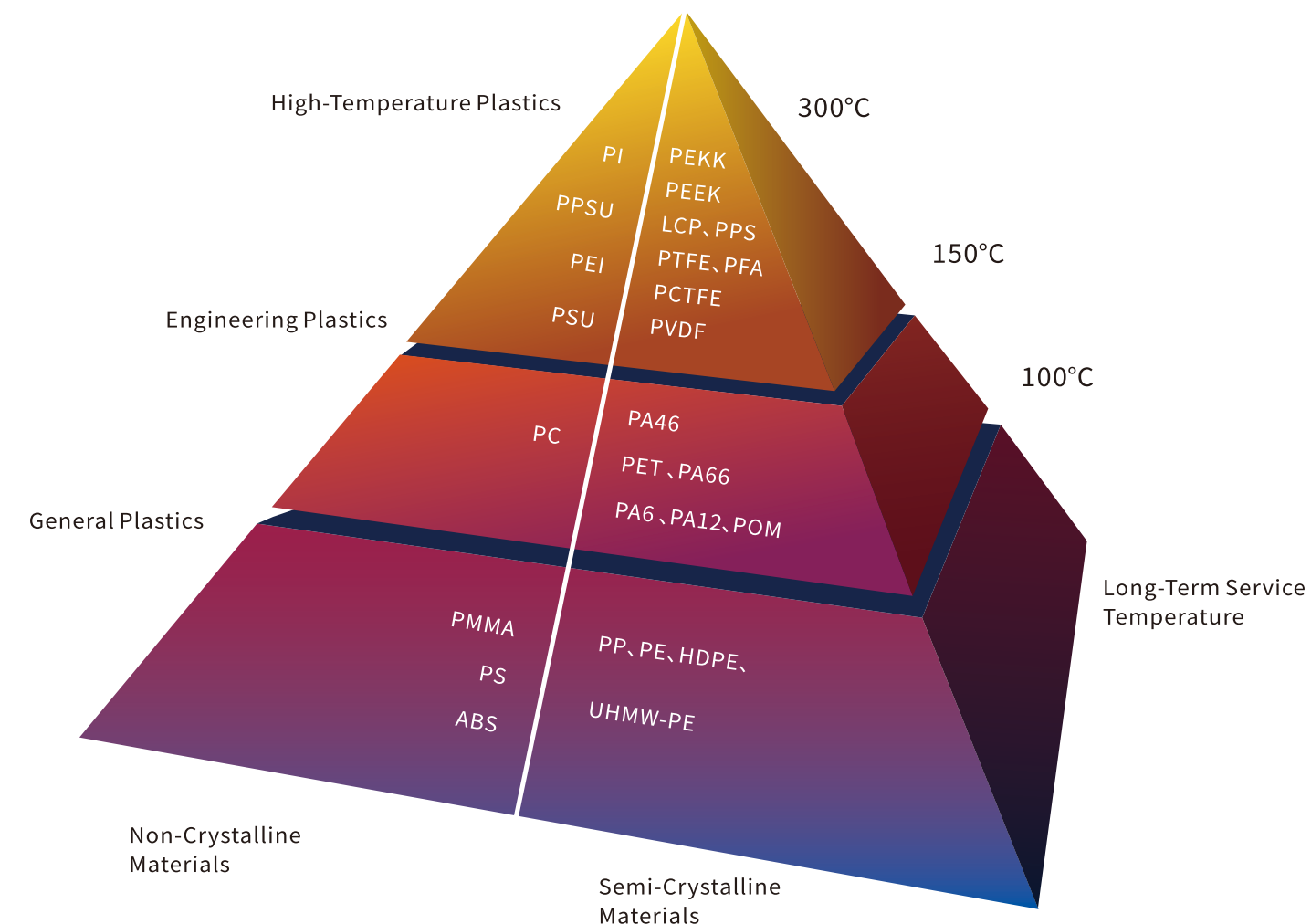
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	6-12 (2mm/step)	1200/1100	1200/2050	Custom Sizes
	15-100 (5mm/step)			
	100-200 (10mm/step)	1200	1200	
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	6-12 (2mm/step)	—	1000	Custom Sizes
	18			
	28			
	15-100 (5mm/step)			
	110-400 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE • PA6 GF30 | • MoS₂ | • PA6 Oil

PA6 MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI、PEI、PPS、PEEK、PTFE、PVDF.

General Materials

POM、PA6、PC、PET、PP、UPE、ABS、PMMA.

Modified Materials

PI 350-21、PI 350-211、PEI+GF2300、ESD PEI、PEEK+GF、PEEK+CF、Ceramic PEEK...

Other Materials

Rubber products、FR4、G10、G11、Durostone、Fiberglass sheet、Heat insulation sheet.

PBI



PBI is the highest performance engineering thermoplastic available today. It offers the highest heat resistance and mechanical property retention over 205 °C (400 °F) of any unfilled plastic. It has better wear resistance and load carrying capabilities at extreme temperatures than any other engineering plastic, reinforced or not.

PBI IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Semiconductor process components

PERFORMANCE CHARACTERISTICS:

- Good mechanical properties
- Good wear resistance
- Good load-bearing performance
- Good ultrasonic transparency
- Low coefficient of thermal expansion
- High compressive strength

COMMON BRANDS:

Makewell Marine®
Duratron®

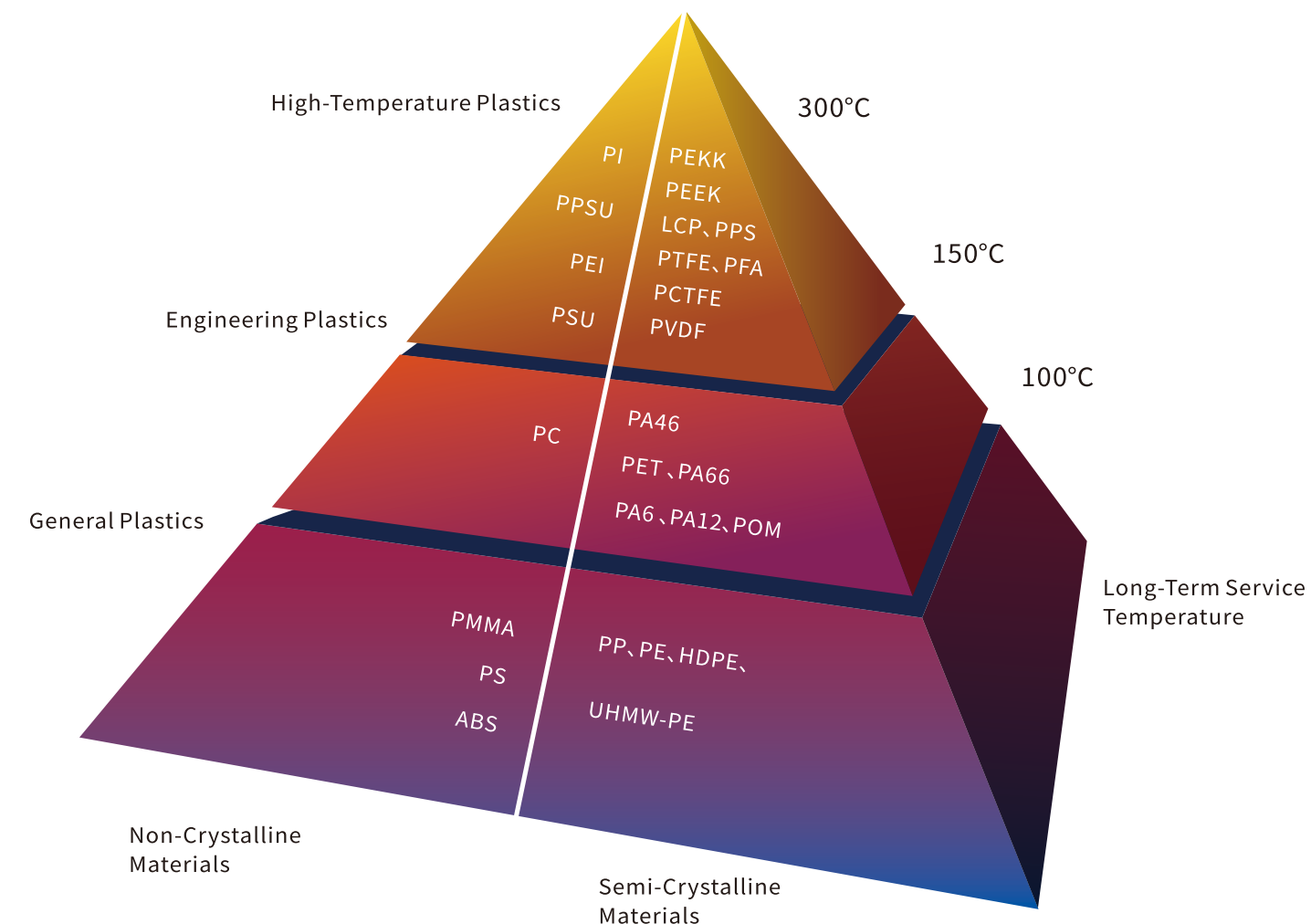
PRODUCT SIZE

 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	6-15 (3mm/step)	300	300	Custom Sizes
	19			
	25			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	6-15 (3mm/step)	—	300	Custom Sizes
	19			
	25			
 Tube	—	—	—	Custom Sizes

PBI MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

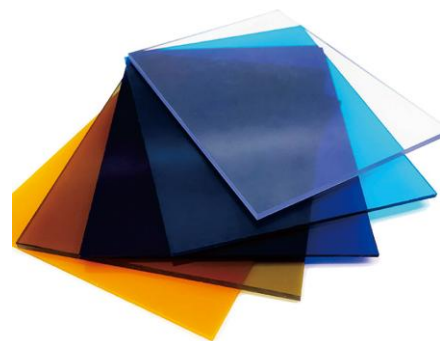
POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PC

PC features include high strength, high rigidity and high hardness, as well as good impact strength. However, as is the case with all amorphous thermoplastics, its low chemical resistance can be a limiting factor in the material selection process.

PC IS WIDELY USED FOR:

- Electrical connectors
- Insulating parts
- Precision engineering components
- Gears
- Jigs and fixtures
- Machinery parts
- Medical and pharmaceutical equipment components

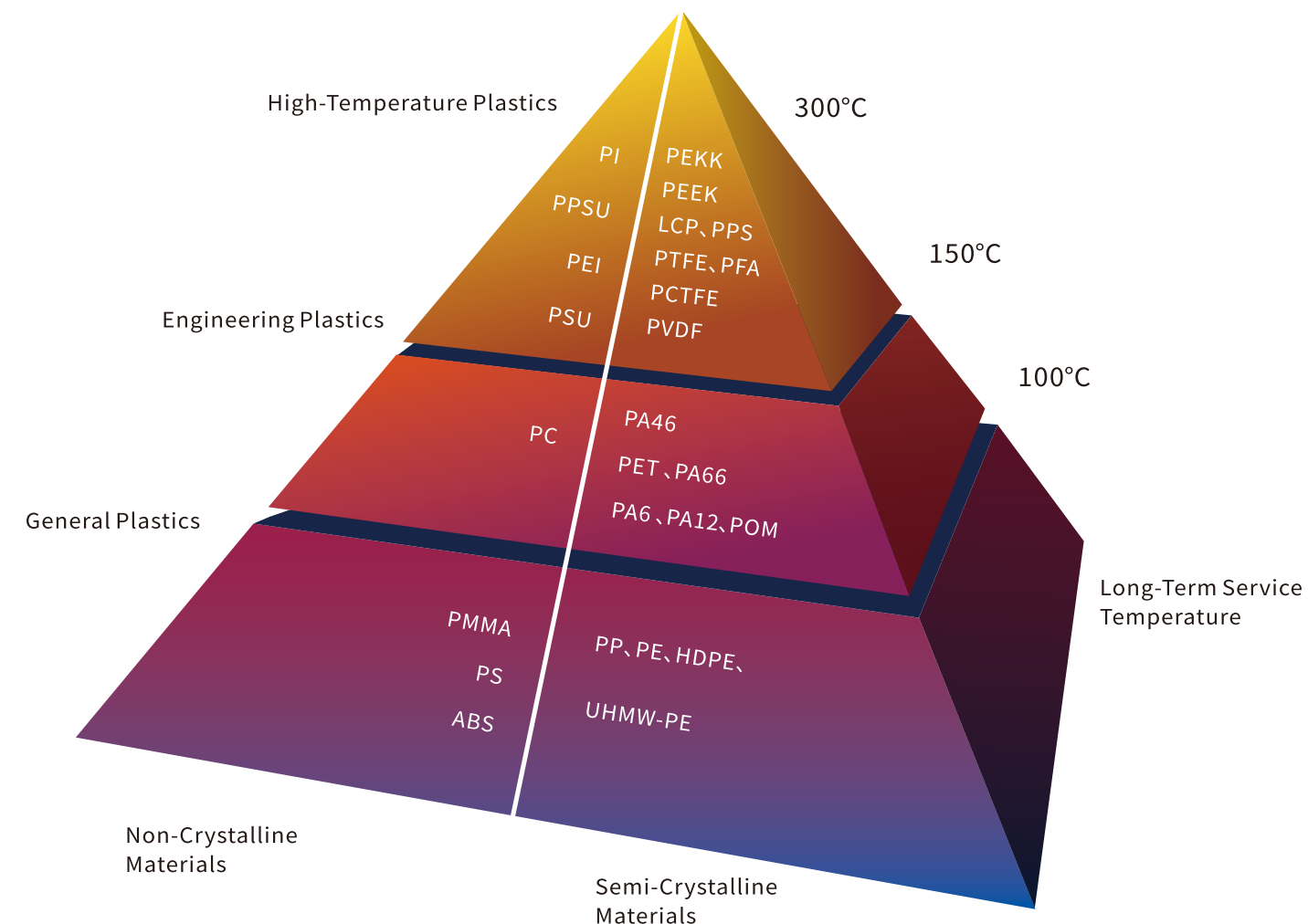
PRODUCT SIZE

 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	0.5-2.5 (0.5mm/step)	1220	2440	Custom Sizes
	3-6 (1mm/step)			
	8-12 (2mm/step)			
	15-50 (5mm/step)	1000	1200	
	50-100 (10mm/step)			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	10	—	1000	Custom Sizes
	12			
	15-100 (5mm/step)			
	100-200 (10mm/step)			
	—			
 Tube	—	—	—	Custom Sizes

PC MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PE

PE(Polyethylene) is a highly versatile material used across industries due to its chemical resistance, durability, lightweight nature, and ease of processing. Its applications range from everyday consumer products to specialized industrial and medical uses, making it one of the most essential plastics globally.

PE IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Food processing equipment components

PERFORMANCE CHARACTERISTICS:

- Corrosion resistance
- Good electrical insulation
- Good wear resistance
- High strength
- Low water absorption
- Good processability

COMMON BRANDS:

Makewell Marine®
PROTEUS®
TIVAR®

PRODUCT SIZE

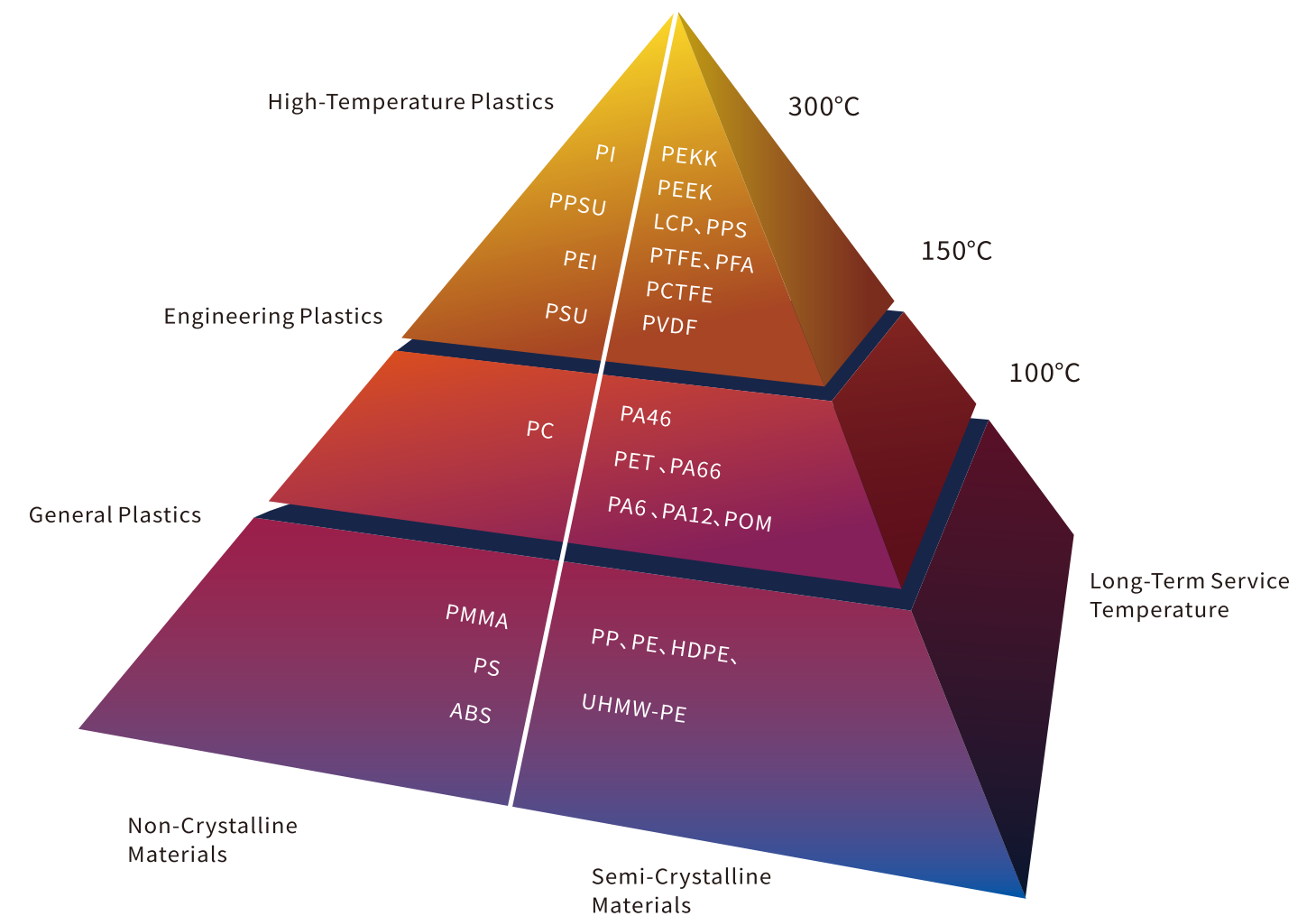
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	3-6 (1mm/step)	1000	2000	Custom Sizes
	8-12 (2mm/step)			
	15-50 (5mm/step)			
	60-200 (5mm/step)			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	10-55 (5mm/step)	—	1000	Custom Sizes
	60-250 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE ·HDPE | ·PE300 | ·PE500 | ·PE1000

PE MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PEEK

The most well-known and important member of the polyaryletherketone group combines excellent wear and very good mechanical properties, even under thermal load.

Outstanding chemical resistance and a high operating temperature (up to 260°C) round out its profile, making PEEK an almost universally appropriate material for highly stressed parts.

Its excellent dimensional stability, combined with high creep stability, supports the suitability of PEEK for the most sophisticated machined parts.

PEEK IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Food processing equipment components
- Machinery parts
- High-performance parts

PRODUCT SIZE

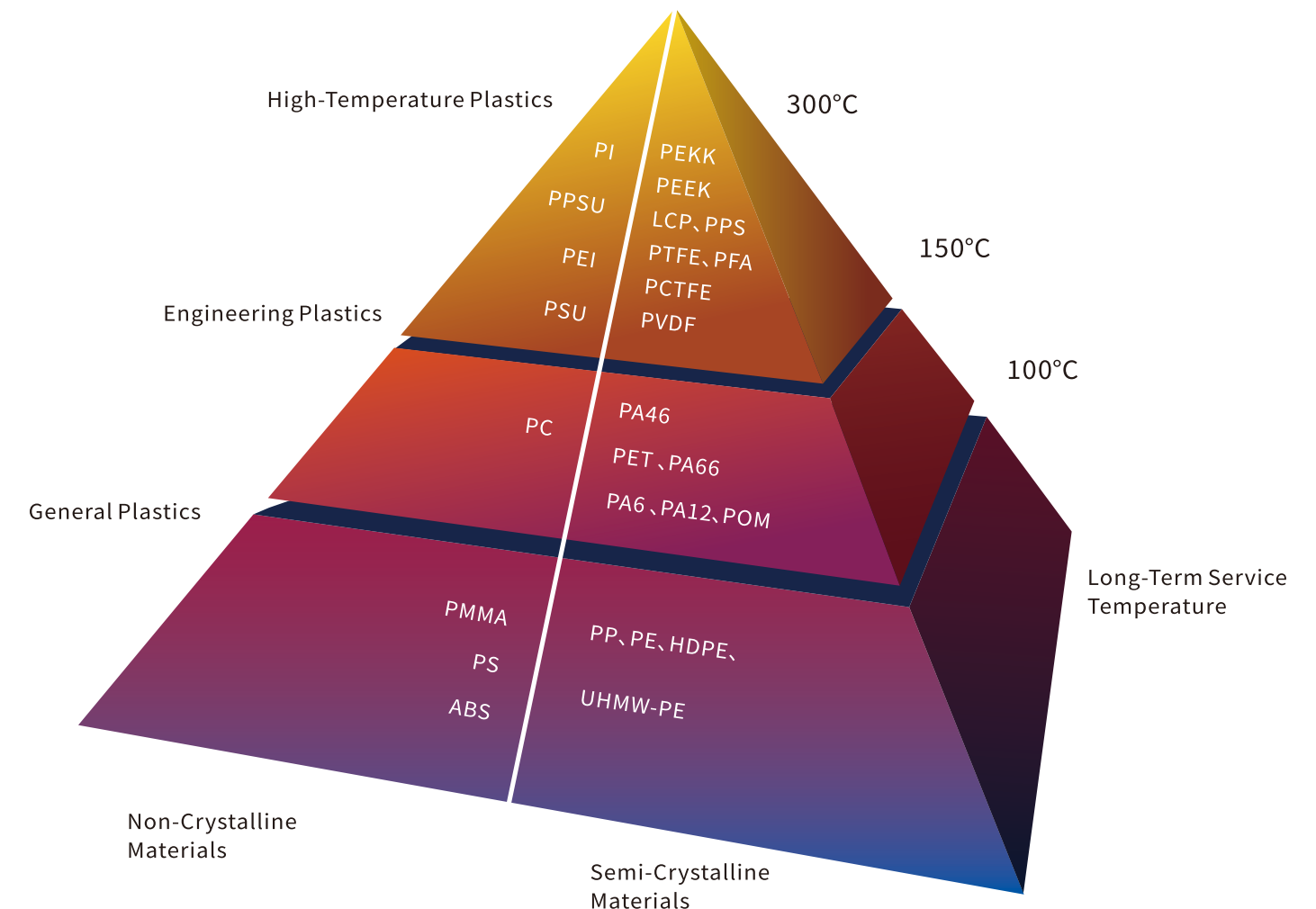
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	5	620	1000	Custom Sizes
	6			
	8-12 (2mm/step)			
	16			
	20-50 (5mm/step)			
	60-100 (10mm/step)			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	1.5	—	1000	Custom Sizes
	1.75		1kg/set	
	2-10 (1mm/step)		1000	
	12			
	15-60 (5mm/step)			
	70-100 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE · PEEK ELS | · PEEK CF30 | · PEEK HPV | · Ceramic PEEK
· PEEK ESD | · PEEK GF30 | · PEEK TX

PEEK MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

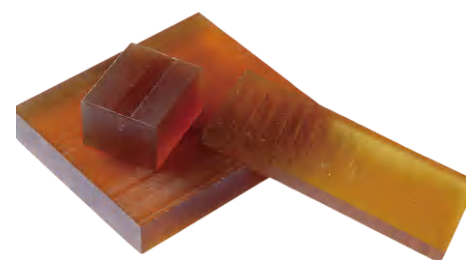
POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PEI

PEI is a series of transparent amber high-performance polymers that combine high strength, rigidity at elevated temperatures, and long-term heat resistance. PEI has good dimensional stability and extensive chemical resistance.

PEI IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Semiconductor process components

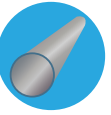
PERFORMANCE CHARACTERISTICS:

- High energy radiation resistance
- Good thermal and mechanical properties
- Good dimensional stability
- Inherent flame retardancy

COMMON BRANDS:

Makewell Marine®
SUSTATRON®
TECATRON®
TECHTRON®

PRODUCT SIZE

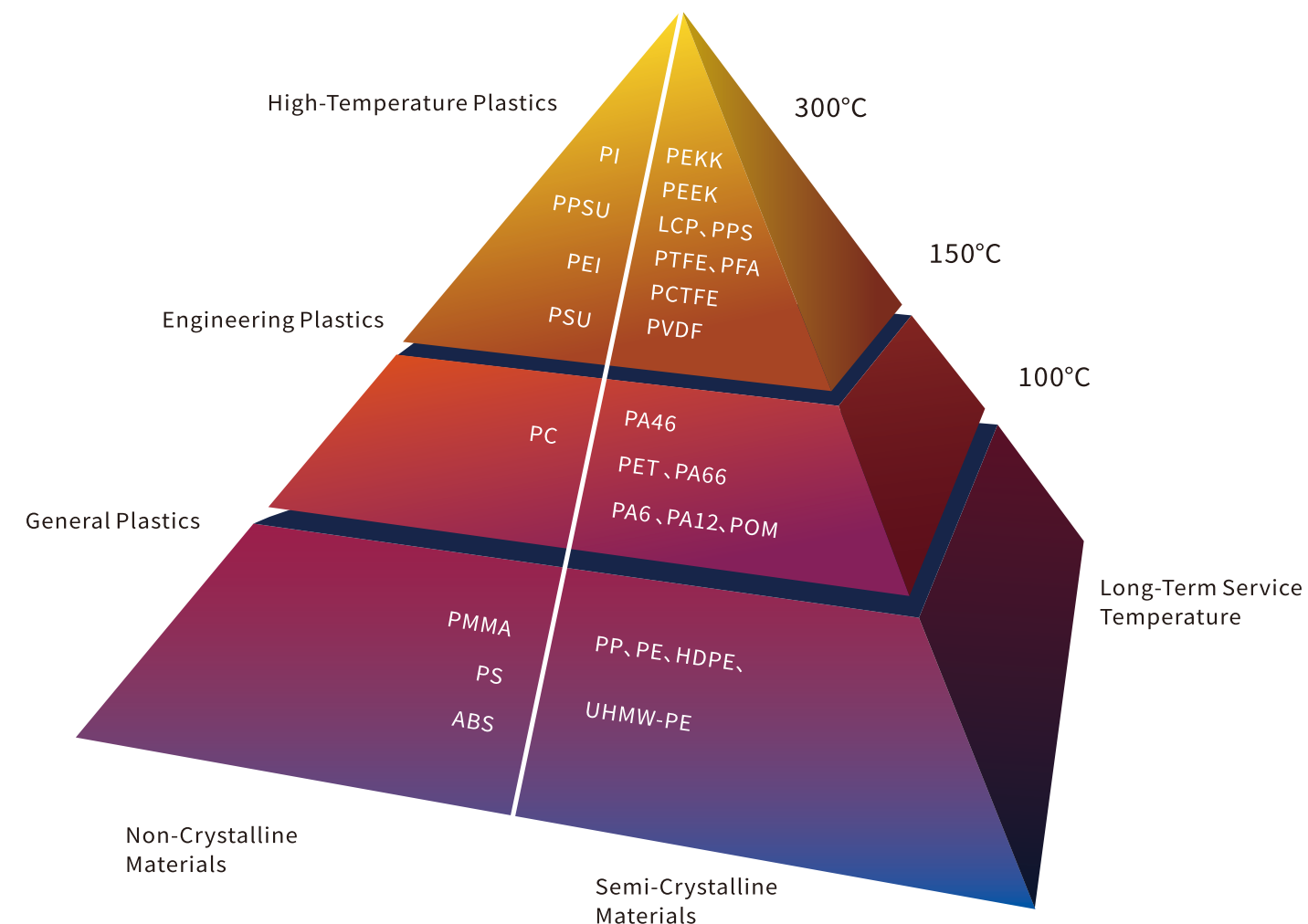
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	6	620	2020	Custom Sizes
	8			
	10-50 (5mm/step)			
	60-70 (10mm/step)			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	6-12 (2mm/step)	—	1000	Custom Sizes
	15-50 (5mm/step)			
	60-250 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE • PEI GF30 | • PEI ESD

PEI MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PET

With its good creep strength, low hygroscopicity, excellent stability, and outstanding chemical resistance, PET materials are ideal for applications where complex components require the strictest dimensional accuracy and surface quality requirements.

PET IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Electrical insulating parts

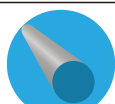
PERFORMANCE CHARACTERISTICS:

- High strength
- Good sliding and wear properties
- Good weldability and bondability
- Good wear resistance
- Not resistant to hot water over 60°C
- High toughness
- High stiffness
- Good chemical resistance

COMMON BRANDS:

Makewell Marine®
SUSTADUR®
TECAPET®
ERTALYTE®

PRODUCT SIZE

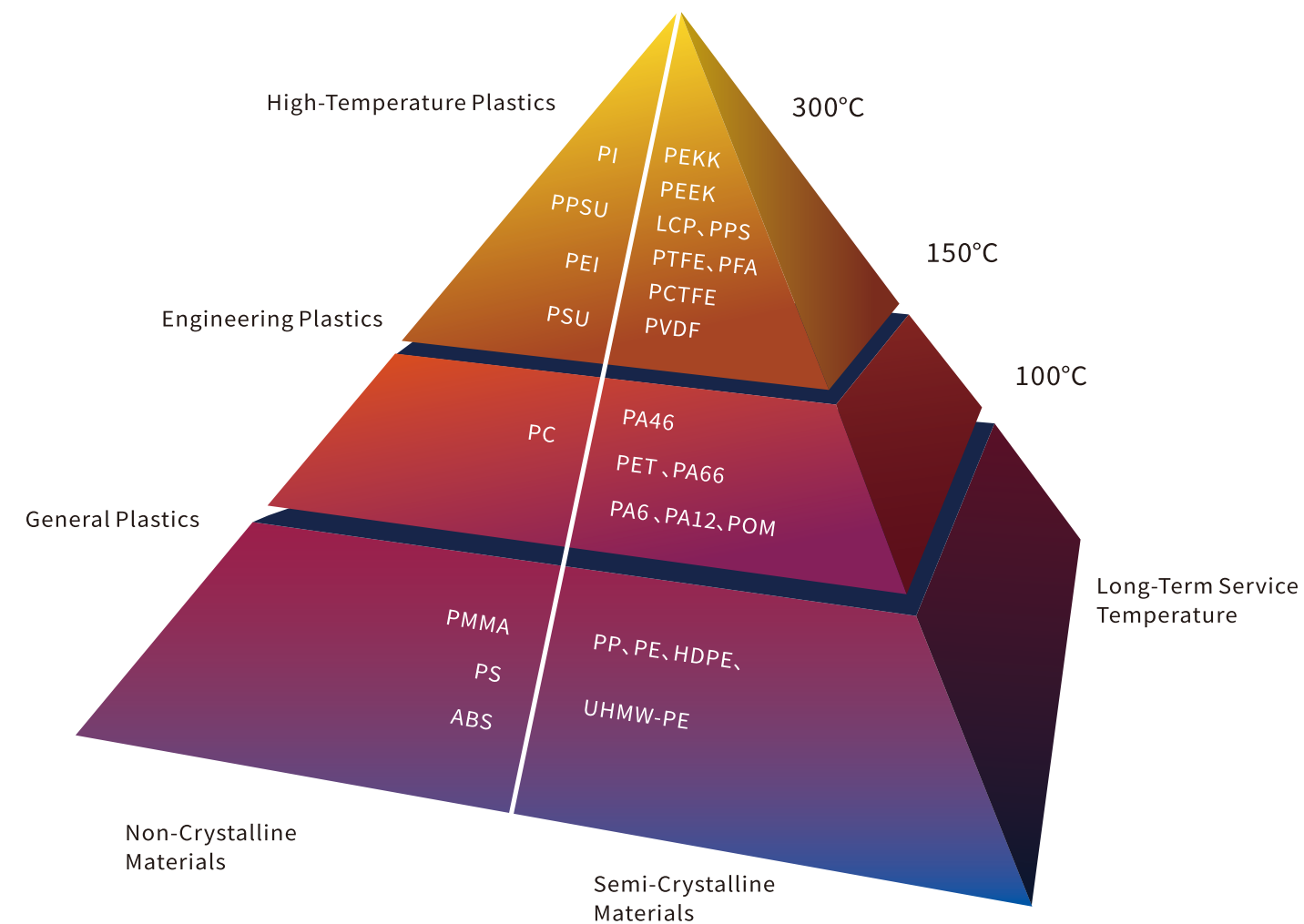
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	6-12 (2mm/step)	620	1250	Custom Sizes
	15-80 (5mm/step)			
	90-100 (10mm/step)			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	15-100 (5mm/step)	—	1000	Custom Sizes
	110-200 (10mm/step)	—		
 Tube	—	—	—	Custom Sizes

OTHER GRADE • PET TX

PET MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI、PEI、PPS、PEEK、PTFE、PVDF.

General Materials

POM、PA6、PC、PET、PP、UPE、ABS、PMMA.

Modified Materials

PI 350-21、PI 350-211、PEI+GF2300、ESD PEI、PEEK+GF、PEEK+CF、Ceramic PEEK...

Other Materials

Rubber products、FR4、G10、G11、Durostone、Fiberglass sheet、Heat insulation sheet.



PI

PI delivers performance that helps overcome sealing, friction, and wear challenges, withstands high temperatures, and endures harsh operating environments in aerospace, transportation, and industrial applications.

PI is of particular value for applications that require high strength, stability and load bearing capacity at extreme temperatures with a long service life.

PI IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Semiconductor process components

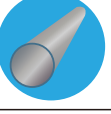
PERFORMANCE CHARACTERISTICS:

- Good electrical insulation
- Good thermal stability
- Good mechanical properties
- Inherent flame retardancy
- Good chemical resistance
- Low creep and moisture absorption
- Resistant to UV and gamma radiation

COMMON BRANDS:

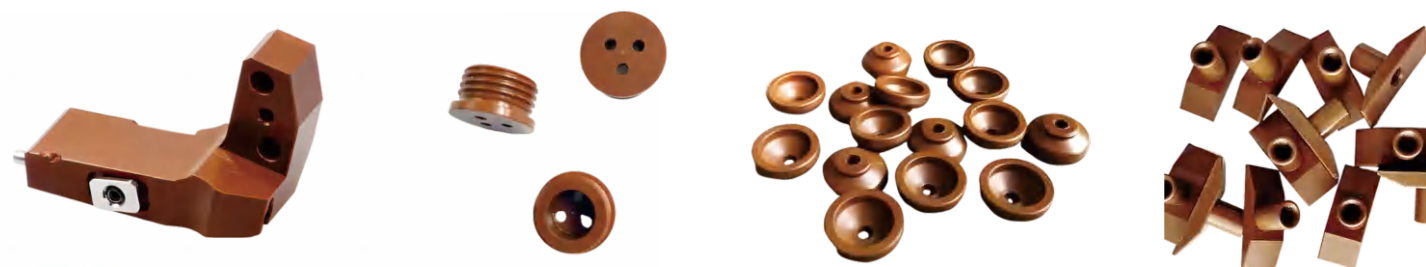
Makewell Marine®
TECASINT®
Duratron®

PRODUCT SIZE

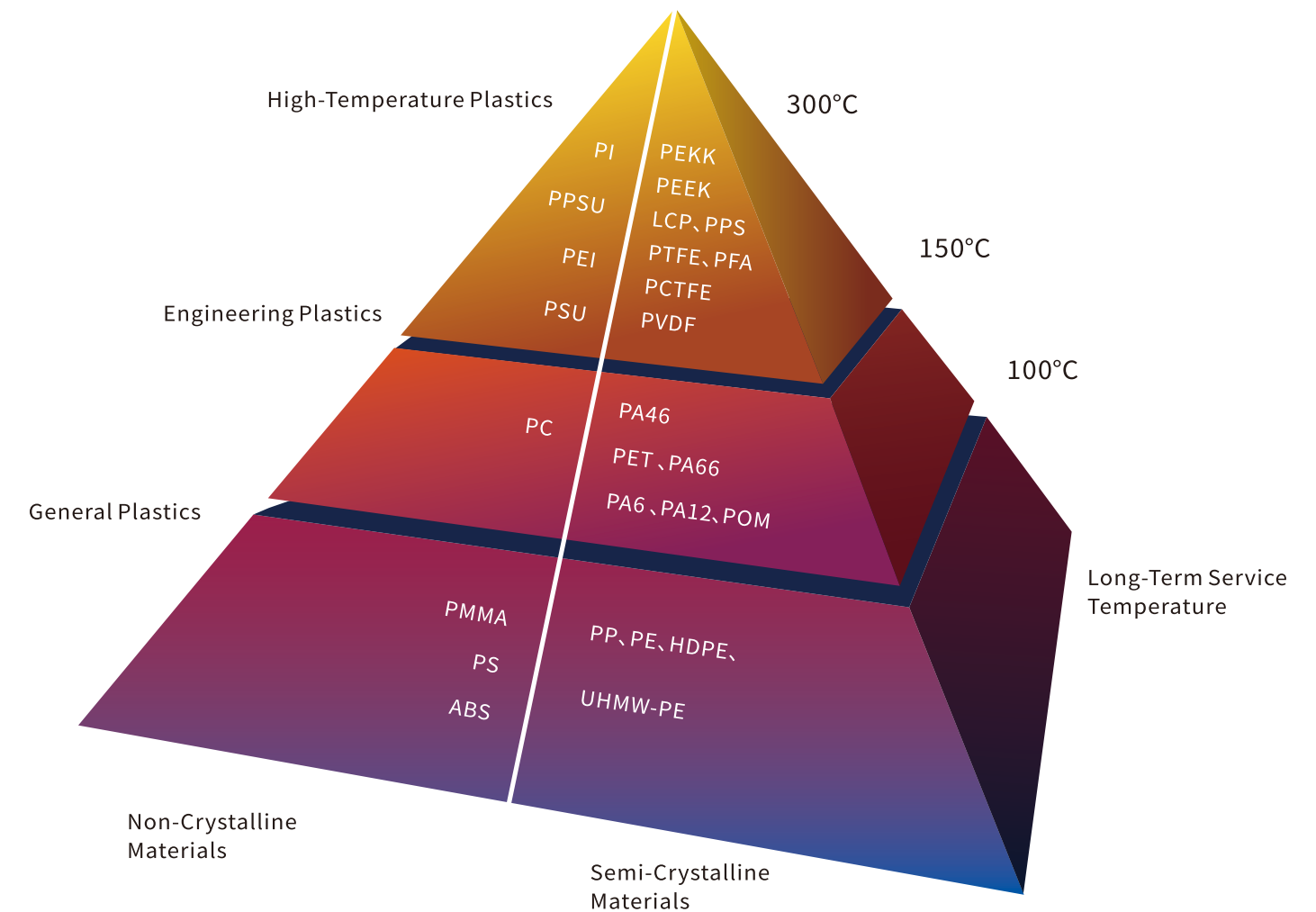
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	0.5-50 (1mm/step)	120/256	210/510	Custom Sizes
	0.5-80 (1mm/step)	320	320/360	
	0.5-105 (1mm/step)	320	1000	
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	1-50 (1mm/step)	—	210/510	Custom Sizes
	1-80 (1mm/step)		320/360	
	1-100 (1mm/step)		1000	
 Tube	—	—	—	Custom Sizes

OTHER GRADE • PI-21 | • PI-211

PI MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



POM (Acetal)

Acetal (polyoxymethylene) is a high-strength, low-friction engineering plastic with excellent wear properties in both wet and dry environments. Easy to machine, acetal is an outstanding choice for applications that require complex, tight tolerances.

ACETAL IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Food processing equipment components
- Packaging machinery parts
- Wear pads
- Electrical components

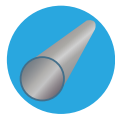
PERFORMANCE CHARACTERISTICS:

- Strong and stiff
- Excellent machinability
- Low moisture absorption
- Excellent wear properties in both
- Wet and dry environments
- Low friction
- Good chemical resistance

COMMON BRANDS:

Makewell Marine®
Delrin®
SUSTARIN®
TECAFORM®

PRODUCT SIZE

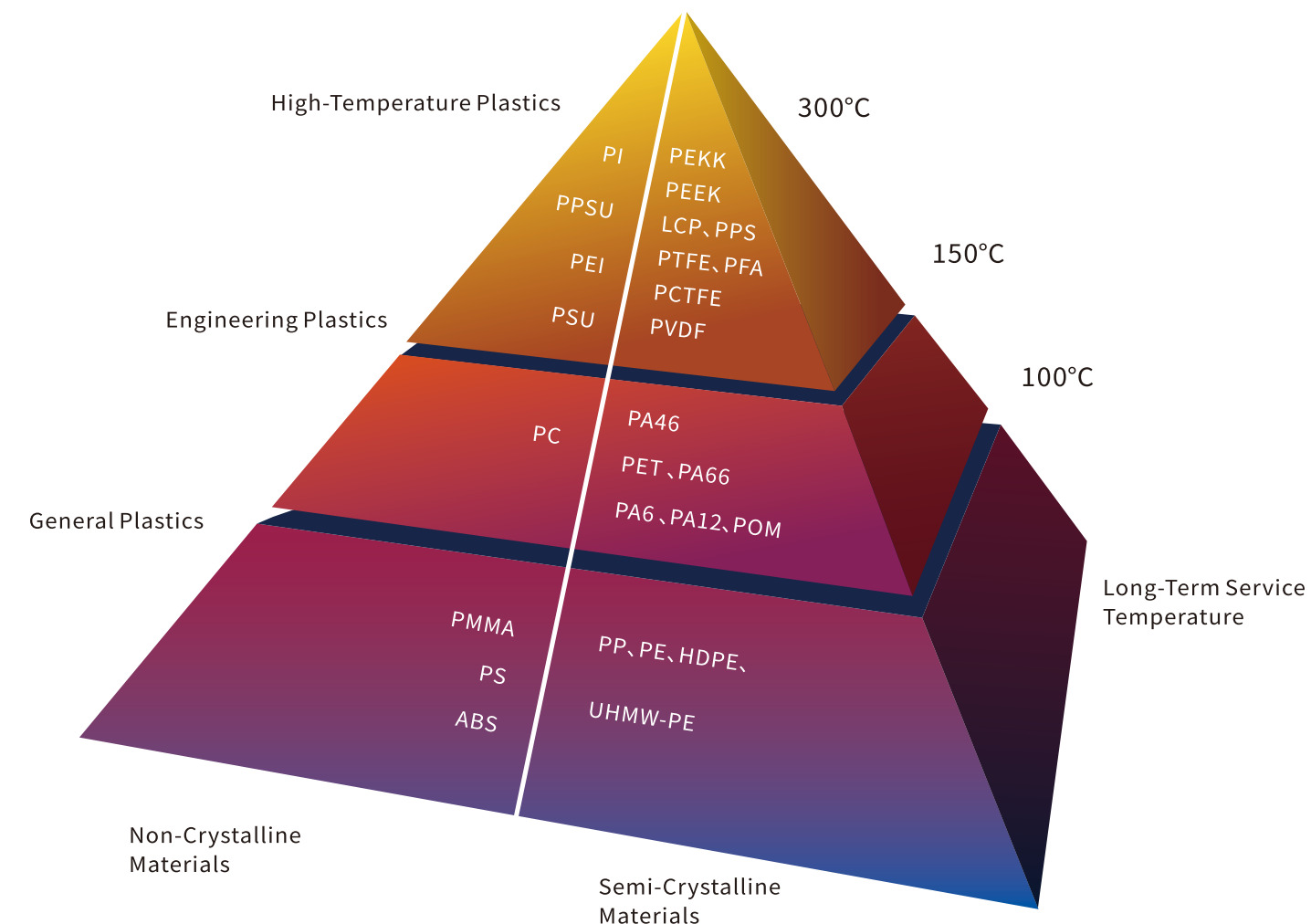
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	0.1-0.9 (0.1mm/step)	620	Custom Sizes	Custom Sizes
	1-5 (1mm/step)		1220	
	6-12 (2mm/step)			
	15-60 (5mm/step)	600/1000	1200/2000	
	70-100 (10mm/step)			
	110-130 (10mm/step)		2000	
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	5-6 (1mm/step)	—	1000	Custom Sizes
	8			
	10-100 (5mm/step)			
	110-200 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE · POM ESD | · POM+PTFE | · POM ELS

POM MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PPS

PPS exhibits excellent corrosion resistance and is highly inert to steam, strong alkalis, fuels, and acids. Its extremely low water absorption and minimal coefficient of linear thermal expansion, combined with stress-relief processing, make PPS an ideal material for precision-machined parts. Additionally, PPS offers good electrical properties and inherent flame retardancy. These characteristics make PPS a cost-effective alternative to PEEK in applications where lower temperature performance is sufficient.

PPS IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Food processing equipment components
- Packaging machinery parts

PERFORMANCE CHARACTERISTICS:

- Good heat deflection temperature
- Good chemical resistance
- Resistance against high-energy radiation
- High strength
- High dimensional stability
- High stiffness
- High creep resistance

COMMON BRANDS:

Makewell Marine®
SUSTATRON®
TECATRON®
TECHTRON®

PRODUCT SIZE

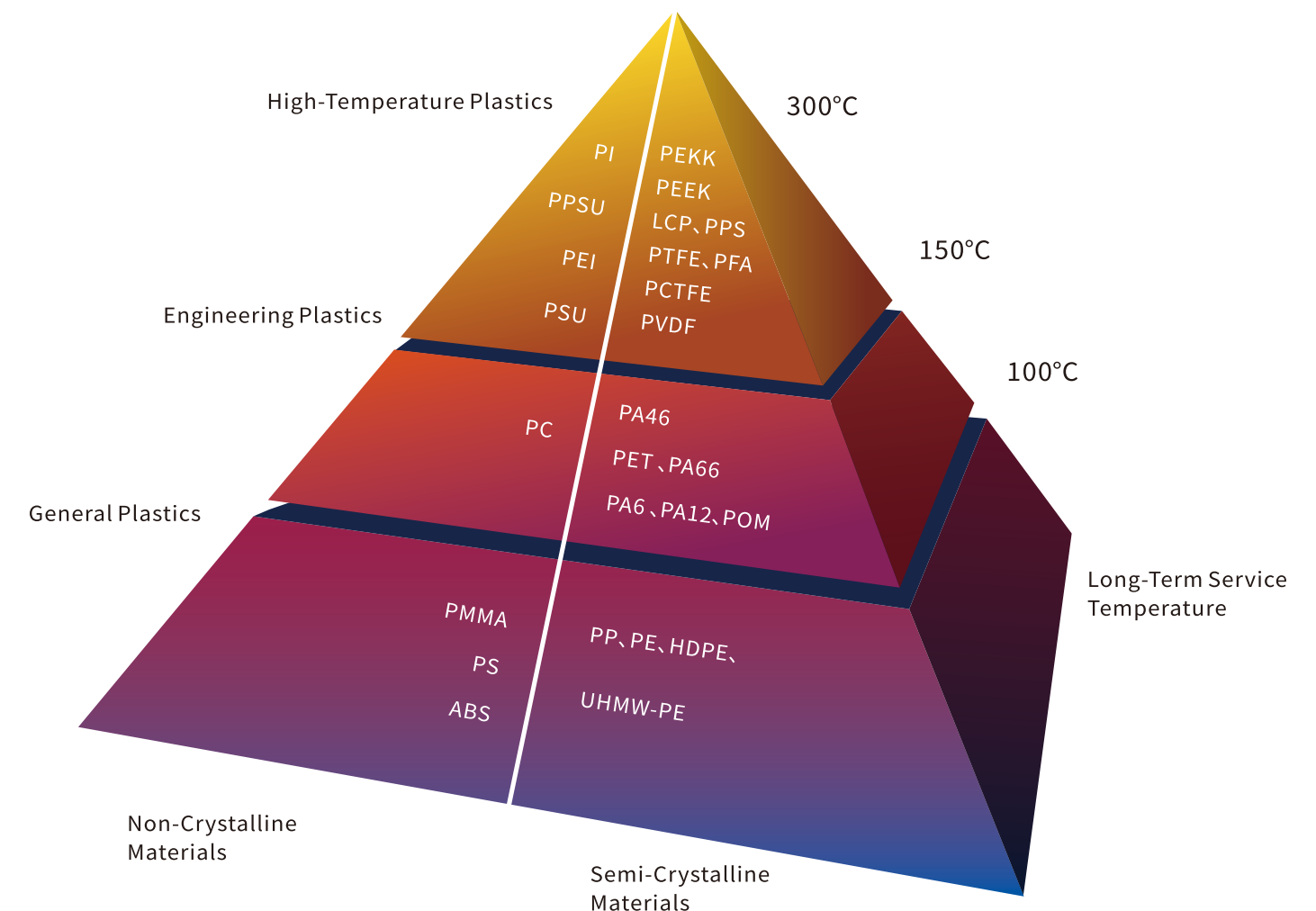
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	6-12 (2mm/step)	620	1000	Custom Sizes
 Rod	15-75 (5mm/step)			
	Diameter(mm)	—	Length(mm)	Other sizes
	10	—	1000	Custom Sizes
	12			
	16			
	20-60 (5mm/step)			
	70-130 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE • PPS ESD | • PPS CF40 | • PPS HPV | • PPS PVX

PPS MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PSU

PSU is a transparent engineering plastic with good chemical resistance, rigidity and temperature resistance. Polysulfone materials can withstand autoclave disinfection while maintaining excellent mechanical properties at various temperatures, which is one of the most favorable performance characteristics of this product.

PSU IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Food processing equipment components

PERFORMANCE CHARACTERISTICS:

- High thermal deformation temperature
- High strength
- High hardness
- Good dimensional stability
- Electrical insulation
- High energy radiation resistance
- Good weldability

COMMON BRANDS:

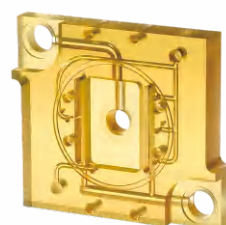
Makewell Marine®
SUSTASON®
TECASON®

PRODUCT SIZE

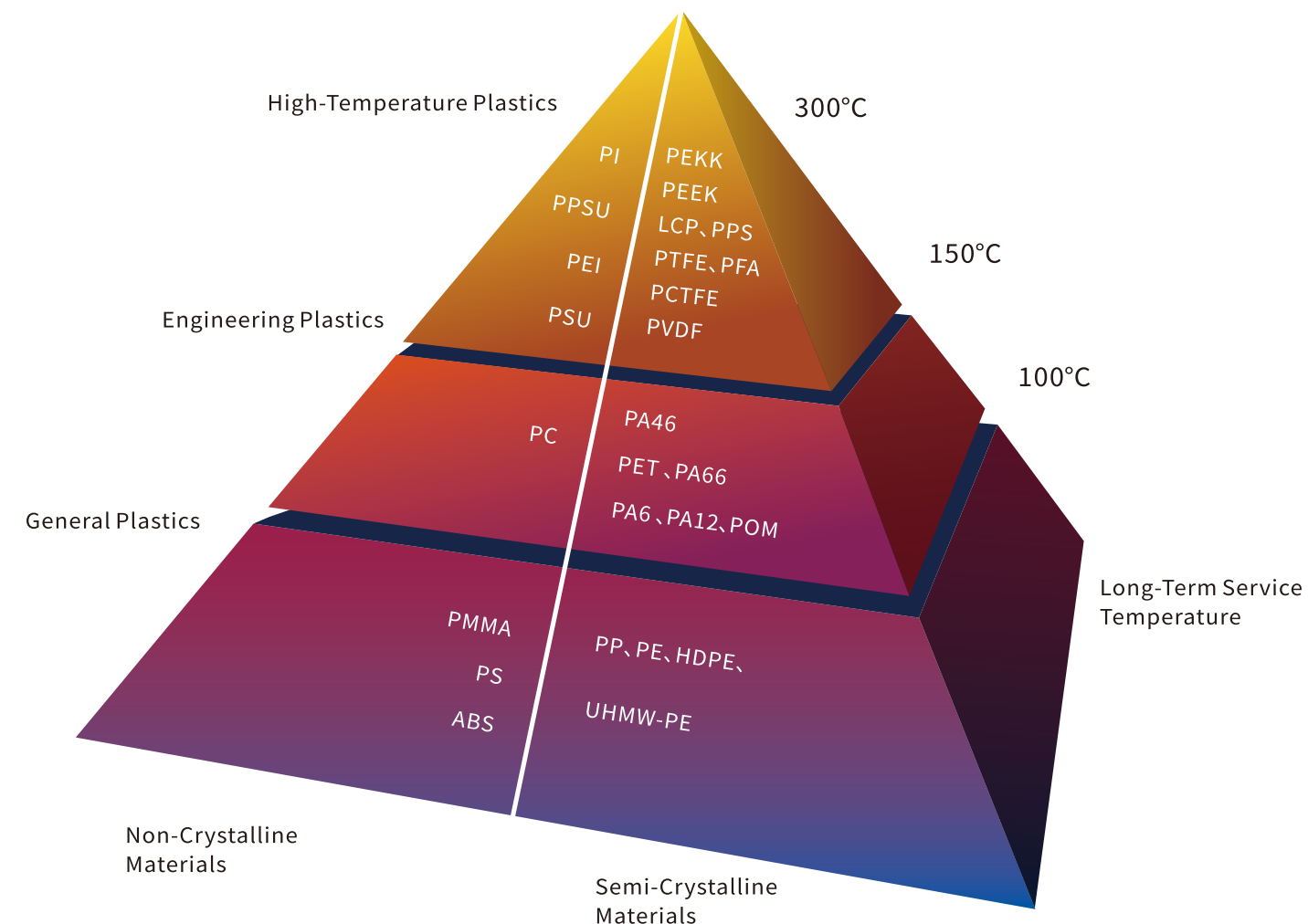
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	—	—	—	Custom Sizes
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	10	—	1000	Custom Sizes
	12			
	16			
	20-60 (5mm/step)			
	70-130 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE • PSU ESD

PSU MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PTFE

PTFE is one of the most commonly used and important fluoropolymer materials, useful in a wide variety of applications. It is a commonly preferred material for sliding applications, and especially in environments that will expose the part to chemical stress.

PTFE IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts
- Semiconductor process components

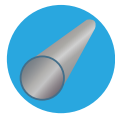
PERFORMANCE CHARACTERISTICS:

- Good electrical insulation
- Good sliding and wear properties
- Inherent flame retardancy
- High temperature resistance
- Good chemical resistance
- Good UV and weather resistance

COMMON BRANDS:

Makewell Marine®
SUSTAPTFE®
TECAFLON PTFE®
FLUOROSINT®
Rulon®

PRODUCT SIZE

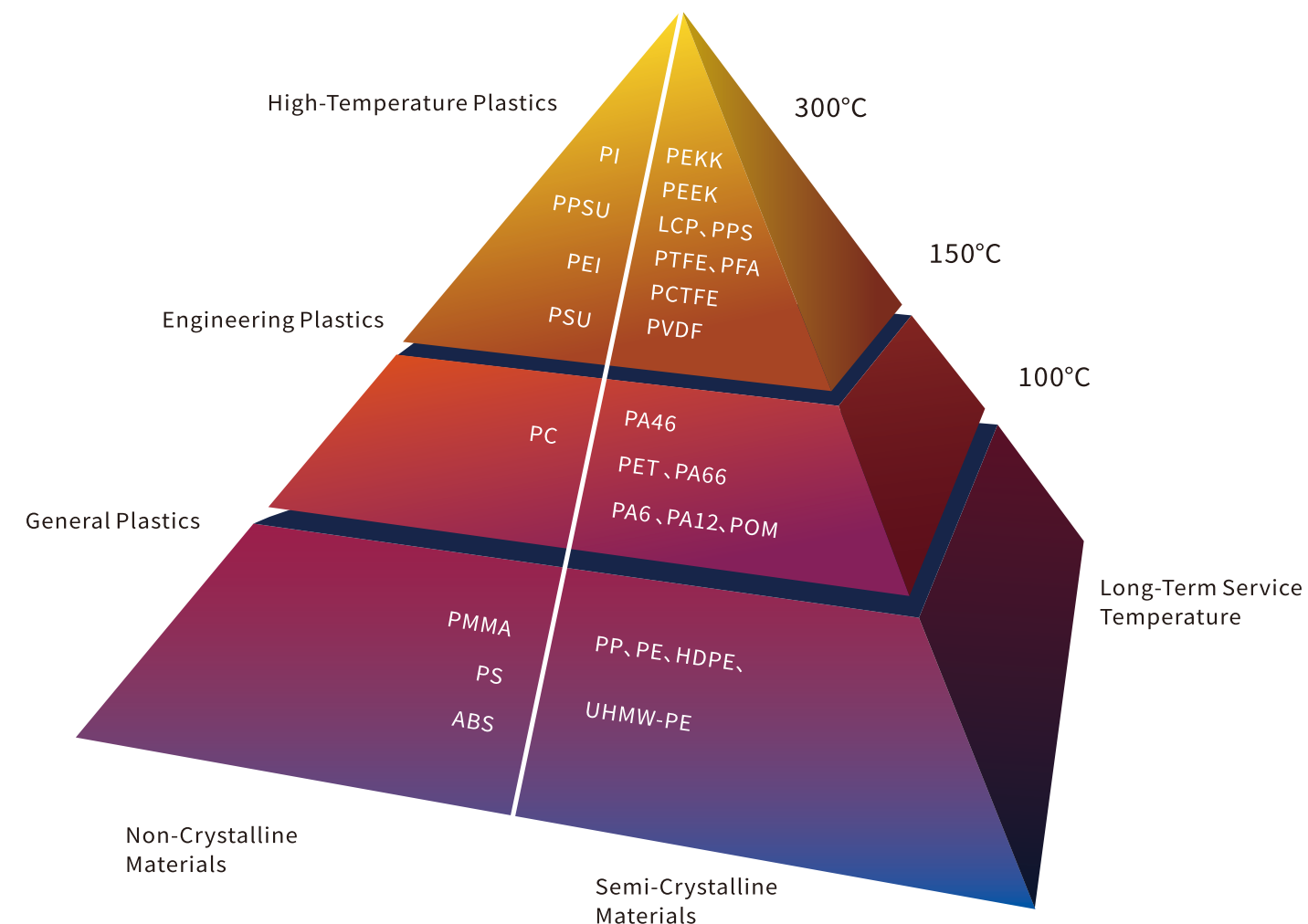
 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	1-18 (1mm/step)	300/500/1000/1500	300/500/1000/1500	Custom Sizes
	1.5			
	2-40 (5mm/step)			
	22			
	27			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	4-30 (2mm/step)	—	1000	Custom Sizes
	35-80 (5mm/step)			
	90-200 (10mm/step)			
 Tube	—	—	—	Custom Sizes

OTHER GRADE • HPV PTFE

PTFE MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

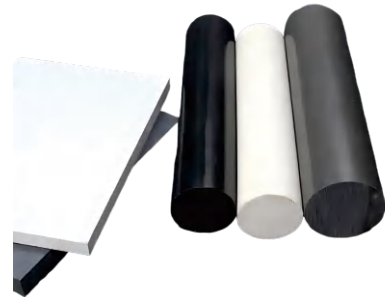
POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.



PVC

PVC is a widely used thermoplastic known for its lightweight nature, ease of handling and loading, and good chemical resistance. It offers low flow resistance, excellent processing performance, and is cost-effective, making it a popular choice for various applications. However, PVC has some limitations: its heat resistance is poor, and its mechanical strength is significantly affected by temperature.

PVC IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts

PERFORMANCE CHARACTERISTICS:

- Non-flammability
- High strength
- Resistance to environmental changes
- Strong corrosion resistance
- Good electrical insulation
- Good chemical stability

COMMON BRANDS:

Makewell Marine®

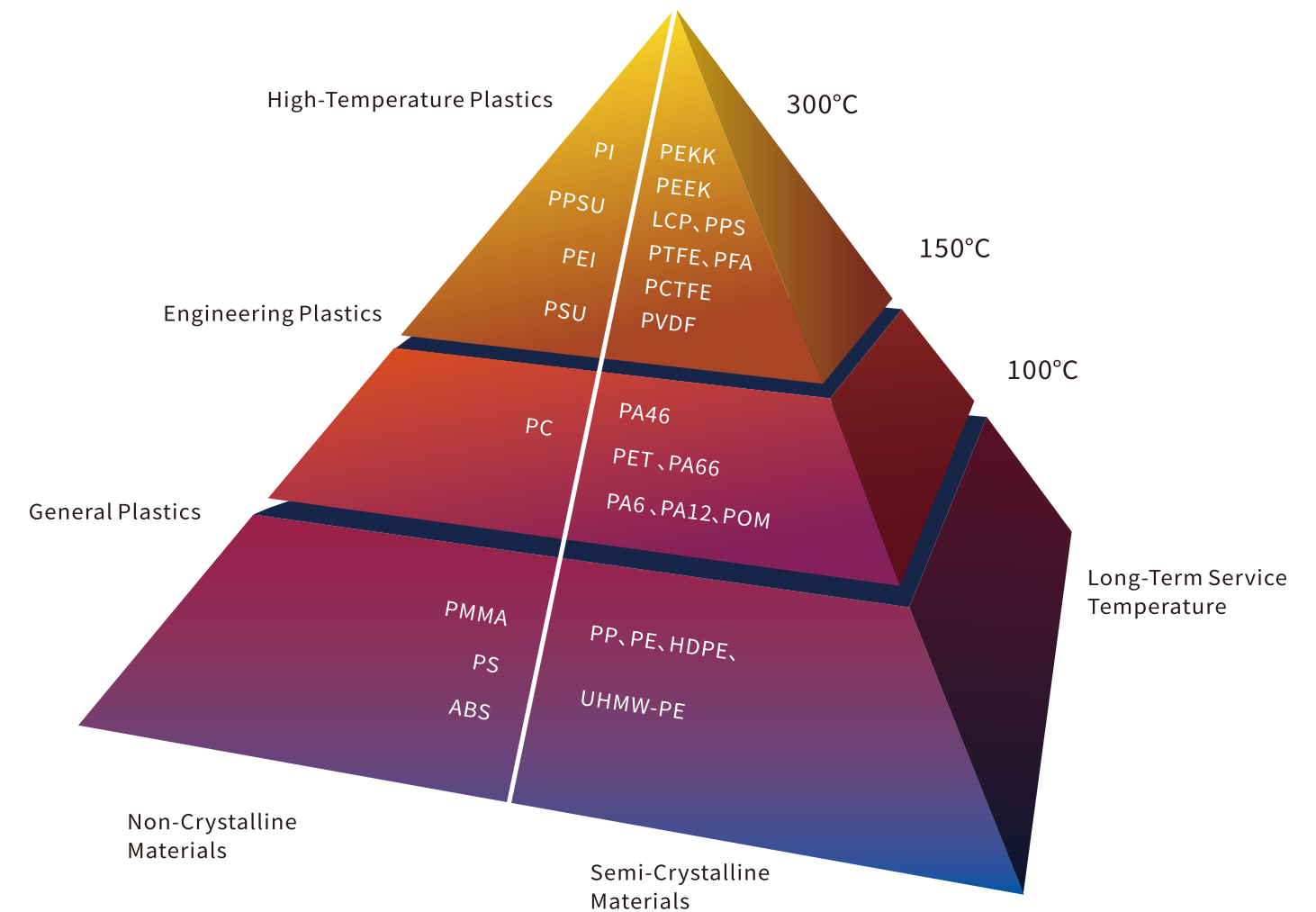
PRODUCT SIZE

 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	2-6 (1mm/step)	1300	2000	Custom Sizes
	8-12 (2mm/step)			
	15-45 (5mm/step)			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	10-50 (5mm/step)	—	1000	Custom Sizes
	60-160 (10mm/step)	—		
 Tube	—	—	—	Custom Sizes

PVC MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI、PEI、PPS、PEEK、PTFE、PVDF.

General Materials

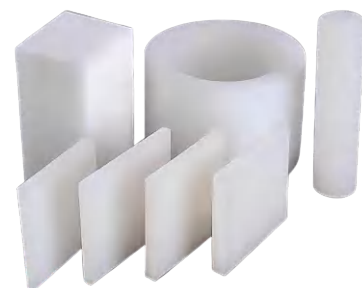
POM、PA6、PC、PET、PP、UPE、ABS、PMMA.

Modified Materials

PI 350-21、PI 350-211、PEI+GF2300、ESD PEI、PEEK+GF、PEEK+CF、Ceramic PEEK...

Other Materials

Rubber products、FR4、G10、G11、Durostone、Fiberglass sheet、Heat insulation sheet.



PVDF

PVDF is a high-performance material widely used in industries that require chemical resistance, thermal stability, UV resistance, and mechanical strength. Its versatility and durability make it a preferred choice for demanding environments.

PVDF IS WIDELY USED FOR:

- Bearings and bushings
- Pump and valve parts
- Manifolds
- Gears
- Jigs and fixtures
- Machinery parts

PERFORMANCE CHARACTERISTICS:

- Good chemical resistance
- Inherent flame retardancy
- Continuous service temperature up to 150°C
- Good weldability
- Good sliding and wear properties
- Good electrical insulation
- Good UV and weather resistance

COMMON BRANDS:

Makewell Marine®
SUSTAPVDF®
TECAFLON PVDF®

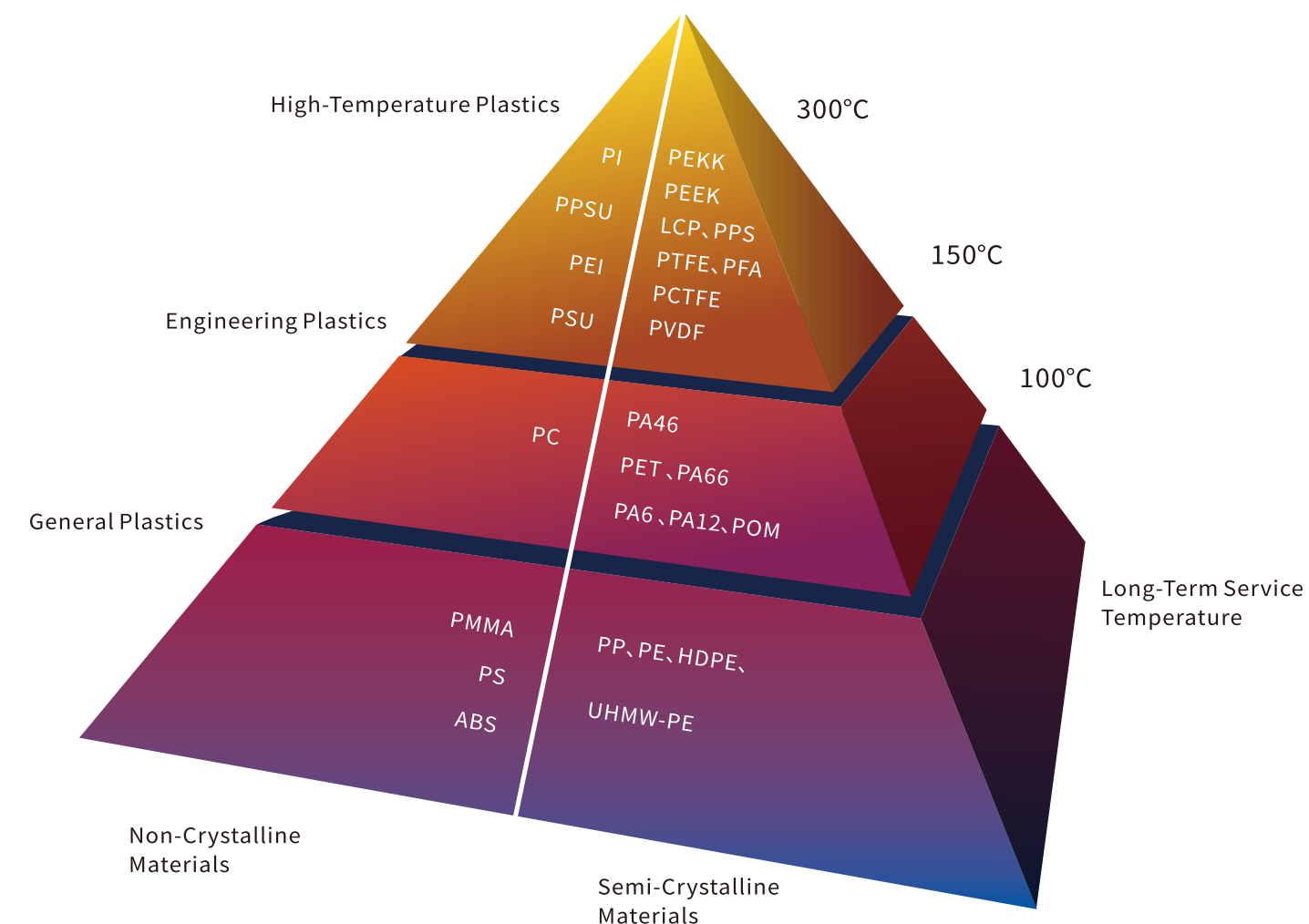
PRODUCT SIZE

 Sheet	Thickness(mm)	Width(mm)	Length(mm)	Other sizes
	3-5 (1mm/step)	1000/1500	2000/3000	Custom Sizes
	6-12 (2mm/step)			
	15-50 (10mm/step)			
 Rod	Diameter(mm)	—	Length(mm)	Other sizes
	12	—	1000	Custom Sizes
	20-80 (5mm/step)			
	90-250 (10mm/step)			
 Tube	—	—	—	Custom Sizes
	—	—	—	—

PVDF MACHINING PARTS



Makewell is focused on the material distribution : semi-finished delivery programme in rod&sheet&tube&roll tape .



High-Temperature Materials

PI, PEI, PPS, PEEK, PTFE, PVDF.

General Materials

POM, PA6, PC, PET, PP, UPE, ABS, PMMA.

Modified Materials

PI 350-21, PI 350-211, PEI+GF2300, ESD PEI, PEEK+GF, PEEK+CF, Ceramic PEEK...

Other Materials

Rubber products, FR4, G10, G11, Durostone, Fiberglass sheet, Heat insulation sheet.