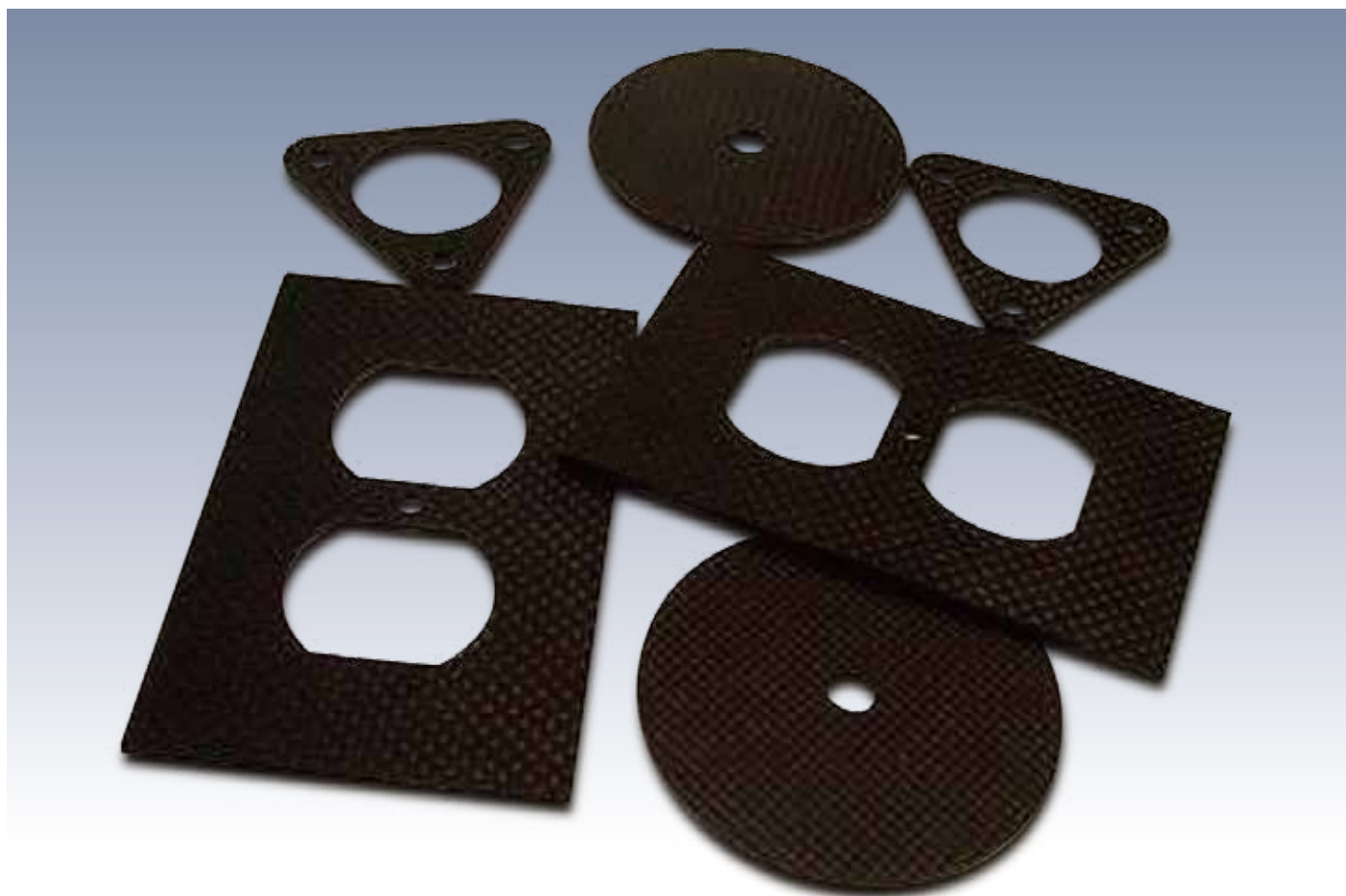


**UPILEX[®] Polyimide CFRP**

PETI-PLATE



PETI-PLATEs are high performance carbon fiber reinforced composite plates based on UBE's exclusive PETI-330 high heat resistance matrix resin technology providing excellent heat resistance up to 300°C/570°F. C and mechanical strength as well as resistance against solvents. It can also serve under cryogenic environment.

Features of PETI-PLATE

- High Temperature Capabilities
- Tough, Micro-crack resistance
- Thermo Oxidative Stability
- Low outgassing
- Easy machining

300°C
570°F
Operation

UBE INDUSTRIES, LTD.

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UPILEX[®] Polyimide CFRP

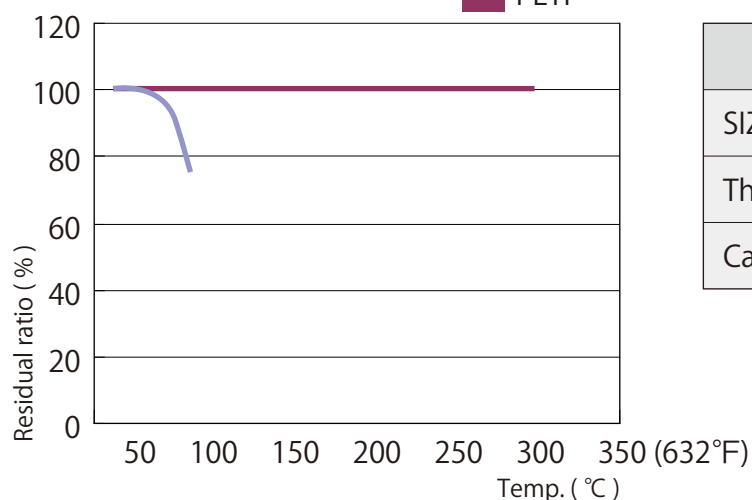
PETI-PLATE

Properties of PETI-PLATE

Items	Unit	Temp.	Value	Method
Tensile Strength	MPa	23°C/73°F	558	ASTM D3039
Tensile Modulus	GPa	23°C/73°F	64	ASTM D3039
Flexural Strength	MPa	23°C/73°F	752	ASTM D790
Flexural Modulus	GPa	23°C/73°F	59	ASTM D790
Shear Strength	MPa	23°C/73°F	72	ASTM D2344
Density	g/cm ³	23°C/73°F	1.5	ASTM D792
Tg	°C	—	328	ASTM E1640
Water Absorption	%	23°C/73°F	1.5	ASTM D570

Flexural Modulus

■ EPOXY
■ PETI



General Information

Type	HA-10
SIZE	220mm×220mm
Thickness	2mm
Carbon Fiber	Plain Weave : 10ply

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