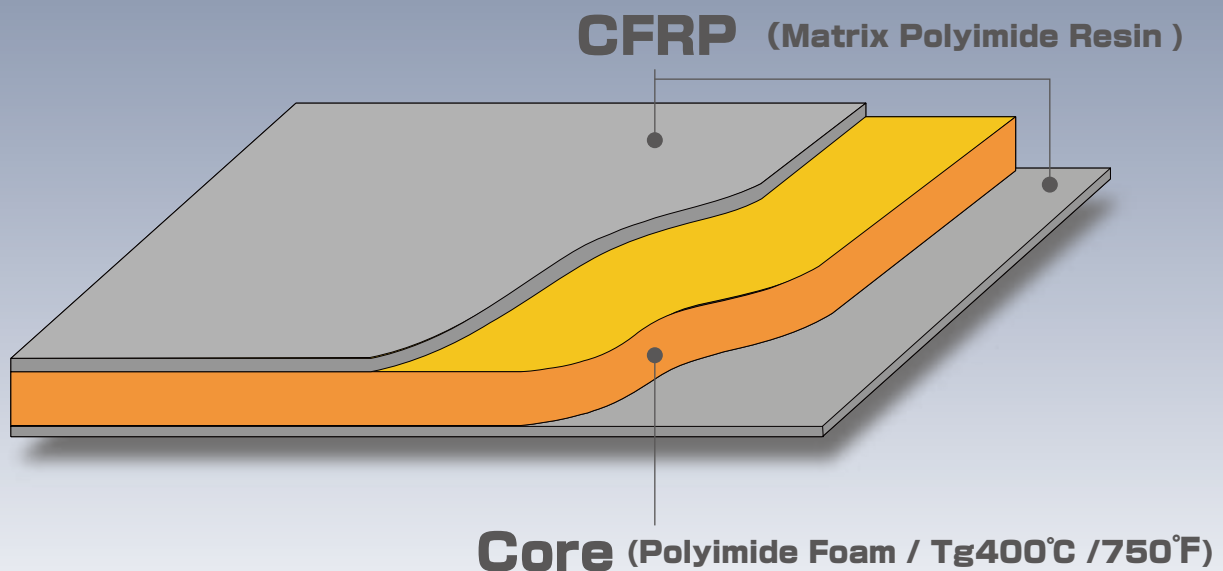




**UPILEX<sup>®</sup> Polyimide Foam Sandwich Panel**  
**PETI-PANEL**



PETI-PANEL is a light weight, high heat resistance sandwich structure panel utilizing UBE's exclusive polyimide foam (UPILEX FOAM) as its core material and polyimide pre-preg (PETI-365E Pre-preg) for its skin structure providing excellent resistance against heat and solvents while maintaining good mechanical strength. Its service temperature is 300°C/570 °F and can also be applied to cryogenic environment.

**Features of PETI-PANEL**

- High Temperature Capabilities
- Light weight, Low Density < 0.5g/cc
- Fireproof
- Low outgassing
- Easy machining

**300°C**  
**570°F**  
**Operation**

**UBE INDUSTRIES, LTD.**

**Aerospace Materials Business Group Specialty Chemicals & Products Company**  
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<http://www.upilex.jp>



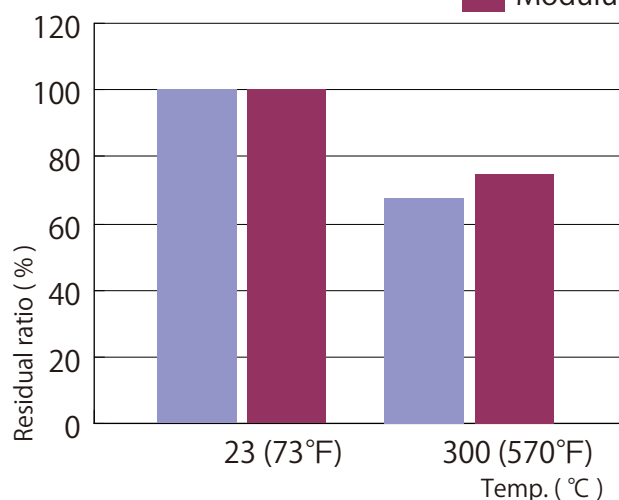
# **UPILEX<sup>®</sup> Polyimide Foam Sandwich Panel**

## **PETI-PANEL**

### Properties PETI-PANEL

Items	Unit	Temp.	Value	Method
Specific Weight			0.4~0.5	
Flexural Strength	MPa	23°C/73°F	39	ASTM D 790
		300°C/570°F	26	
Flexural Modulus	GPa	23°C/73°F	5.2	ASTM D 790
		300°C/570°F	3.9	
Thermal Conductivity	W/m · K	23°C/73°F	0.13	JIS A 1412
Oxygen Index	%		68	ASTM D 2863

### Flexural Properties ■ Strength ■ Modulus



### General Information

Type		FA-505
Material	Core	UPILEX-FORM (Polyimide)
	Surface	Matrix : PETI-365E (Polyimide) CF : Toray T300-3K(Plain Weave)
SIZE		280mm × 280mm
Thickness		5mm
SpecificWeight		0.44+ / -0.06

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