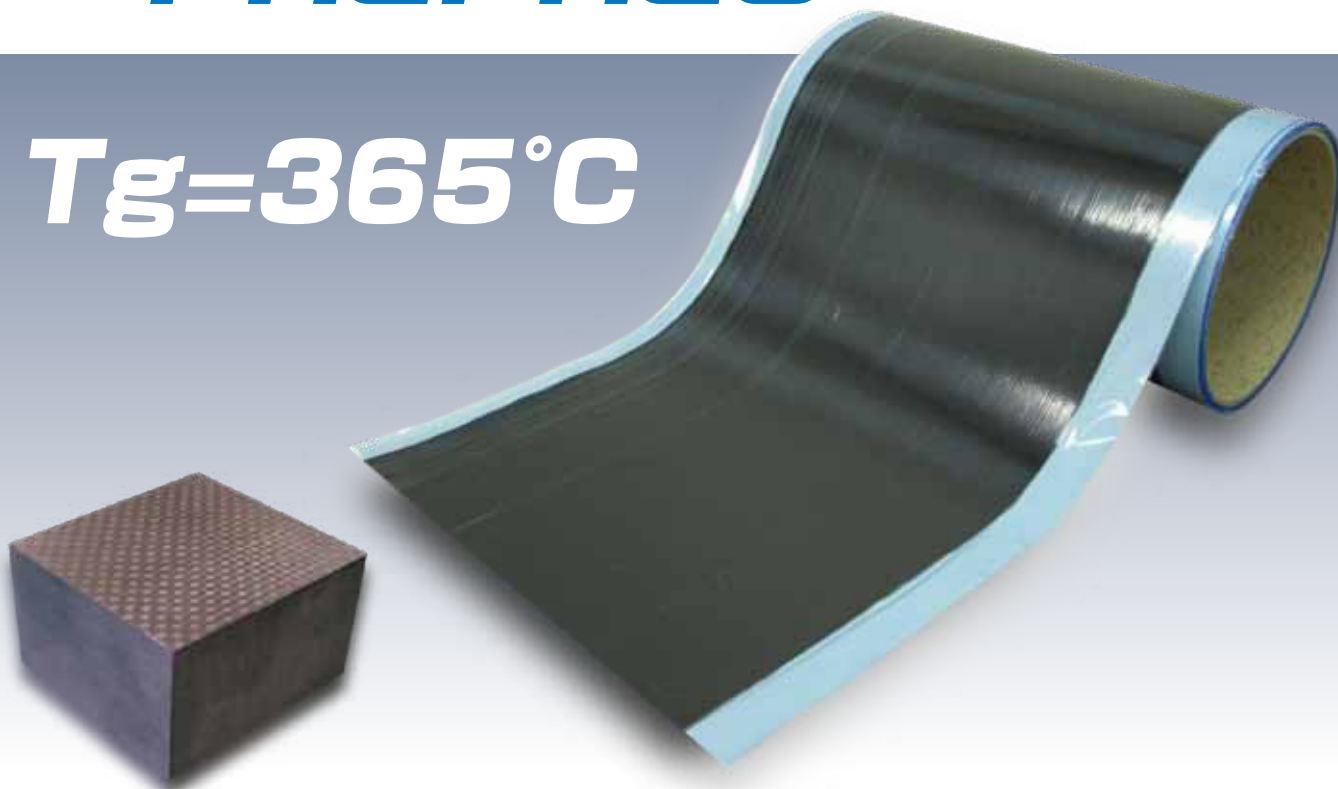




*Prepreg for High Temperature Composite*

# PETI-365E PREPREG

**$T_g=365^{\circ}\text{C}$**



## **Features and benefits**

- Polyimide resin matrix based on exclusive monomer technology developed by UBE.
- Exceptional high heat resistance.
- Complete elimination of MDA.
- Cured resin with high toughness and extremely low micro cracking characteristic.
- Maximum cure temperature at 370°C.
- Excellent high temperature oxidation resistance.

## **Application**

- High temperature components for jet engines.
- Structural parts for aircrafts and launch vehicles.
- Other high heat resistance parts and structures.

## **Typical prepreg specification**

- Resin content (Rc): Approx. 35wt%
- Volatile content (Vc): Approx. 12wt%
- Solvent: Methanol or Ethanol

## **Typical properties of resin**

- Glass transition temperature (Tg): >350°C

## **Example of composite properties**

- Short beam shear strength : 68.8 MPa/9.98ksi @ 23°C  
ASTMD2344
- Carbon fabric : Plain weave Toray T800 12K

### **UBE INDUSTRIES, LTD.**

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