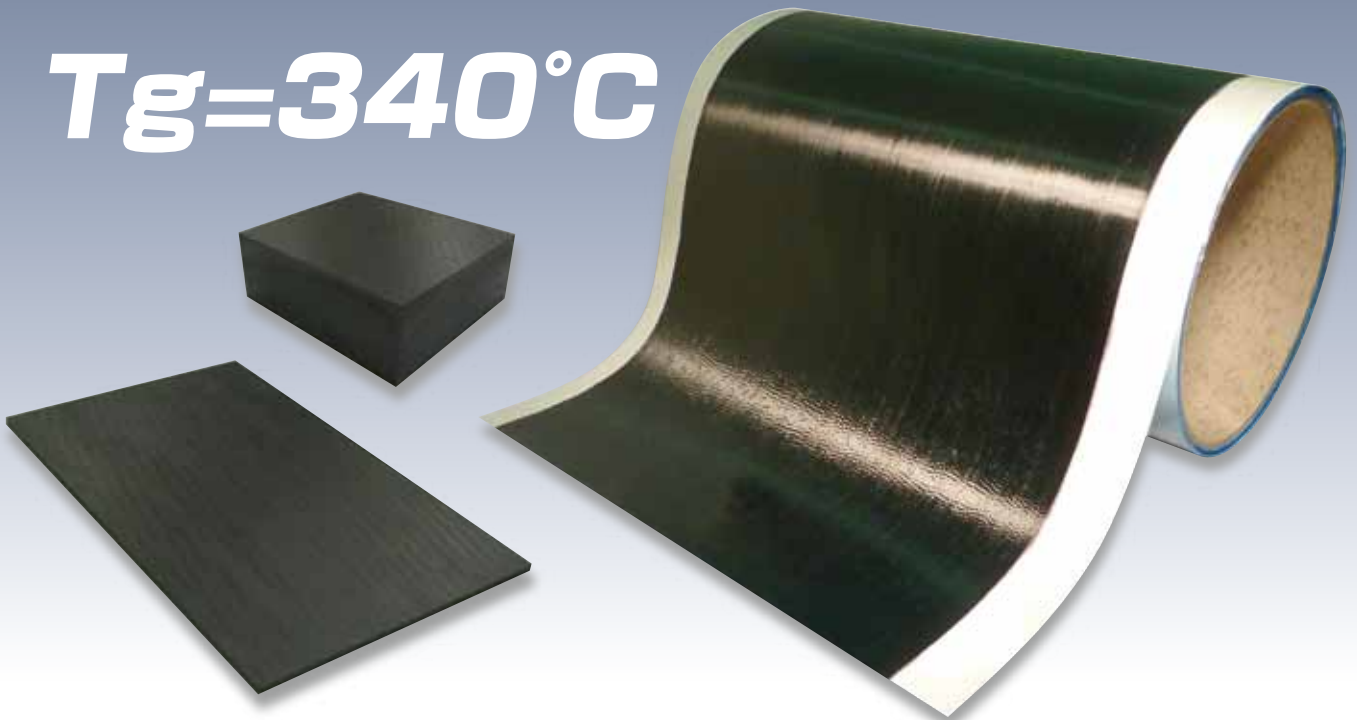




Prepreg for High Temperature Composite

PETI-340M PREPREG

T_g=340°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

Typical properties of resin

- Glass transition temperature (T_g): 340°C

Example of composite properties

- TOS(weight loss)3,000h : <0.3%@274°C
- Carbon Fiber : Tenax IMS60 24k
- Lay-up : [0/45/90/-45]_{3S}

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