

## Offering Globally Recognized Benzoxazine Technology Acquired from Henkel Corporation

In-House Production of Resins and Prepreg For Secure and Reliable Supply Chain

### Benefits of Benzoxazine

- Excellent hot/wet performance
- Improved FST properties
  - Low cure exotherm
  - Low shrinkage

### Kaneka BZ9704 Prepreg

High Service Temperature Structural Prepreg

### Kaneka IR6080 Infusion Resin

High Service Temperature Infusion Resin for Aerostructures

### Kaneka BZ9691 Adhesive

Excellent Performance with Benzoxazine prepregs

	Kaneka BZ9704	Kaneka IR6080	Kaneka BZ9691
Product Form	Prepreg	Infusion Resin	Adhesive Film
Tg	394°F (201°C)	473°F (245°C)	419°F (215°C)
Cure Temp	365°F (185°C)	446°F (230°C)	365°F (185°C)

## Game Changing Aerospace Infusion Products for Improved Processing and Throughput

### **Kaneka IR6070**

- Epoxy system with low infusion temperature (113°F) and long working life
- Aerospace mechanical properties with good balance of strength and toughness

### **Kaneka IR6060**

- Quick cure epoxy infusion resin (30min demold)
- Excellent balance of aerospace mechanical properties

### **Kaneka IR6030**

- Easy to use room temperature epoxy infusion system
- Excellent alternative to aerospace 250°F prepreg

	Kaneka IR6070	Kaneka IR6060	Kaneka IR6030
Tg	365°F (185°C)	374°F (190°C)	275°F (135°C)
Cure temp	356°F (180°C)	338°F (170°C)	250°F (121°C)
Visc. @ Infusion Temp	435cps (113°F/45°C)	60 cps (266°F/130°C)	370cps (77°F/25°C)
Potlife @ Infusion Temp	>2hr (113°F/45°C)	20 min gel time (266°F/130°C)	90 min (77°F/25°C)

### **About Kaneka Aerospace LLC**

Kaneka Aerospace LLC is a subsidiary of Kaneka Corporation, a multi-billion dollar chemical company based in Tokyo/Osaka, Japan with over 70 years of history. Kaneka Aerospace provides specialty high performance prepreps, resins, and adhesives that enable customers to achieve value beyond lightweight and strength.