



LC907 BMI Prepreg

LC907 is a high temperature curing, high performance bismaleimide system. LC907 offers an excellent combination of strength, stiffness and high glass transition temperature.

Properties of LC907-7781

Tensile Strength, psi	72,000
Tensile Modulus, psi	3,400,000
Flexural Strength, psi	74,000
Flexural Modulus, psi	3,200,000
Short Beam Shear Strength, psi	6,500
Tg (via TMA)	440°F +

Properties of LC907-5.7 oz 3K Plain Weave Standard Modulus Carbon

Tensile Strength, psi	85,000
Tensile Modulus, psi	9,100,000
Flexural Strength, psi	120,000
Flexural Modulus, psi	7,400,000
Interlaminar Shear Strength, psi	8,000

Process Information – LC907

Autoclave Cycle

- Draw Vacuum
- 5° F/Minute Ramp to 240° F
- Hold for 30 Minutes
- Apply 60 - 80 psi autoclave pressure
- 5° F/Minute Ramp to 370° F to 380° F
- Hold at 370° F to 380° F for 6 Hours
- Cool to Less Than 150° F at 3 to 5° F/Minute
- Release Pressure/Vacuum and Demold

Post Cure

- 1-3° F/Minute Ramp to 465° F
- Hold for 8 Hours
- Cool at 1 to 3° F/Minute to 150° F or Lower
- Remove from Oven

NOTE: The data presented herein has been developed under controlled manufacturing and test conditions and is considered accurate. No warranty is expressed or implied regarding the accuracy or use of this data or the use of this product. It is the responsibility of the end user to determine suitability for use.