



EP202 Epoxy Prepreg

EP202 is a low temperature curing, rubber modified epoxy that offers a wide variety of curing options. EP202 prepreg has the ability to snap cure at 275° F in a 20 minute dwell as well as cure at 170°F in five hours. EP202 is flame resistant and displays a Tg of 300°F+ without requiring a post cure. EP202 can be used for a wide variety of structural applications.

Properties of EP202 3K 2 x 2 Twill Carbon

Flexural Strength, psi	120,000
Flexural Modulus, psi	6,300,000
Tensile Strength, psi	100,000
Tensile Modulus, psi	8,700,000
Compressive Strength, psi	75,000
Compressive Modulus, psi	7,000,000
Tg (glass transition temperature, via TMA)	300°F+

Process Information – EP202

Vacuum Bag in Oven Cycle 1

- Draw vacuum
- 5° F/minute ramp to 170° F
- Hold for 5 hours
- Cool to less than 150° F at 3 to 5° F/minute
- Release Vacuum and Demold

Vacuum Bag in Oven Cycle 2

- Draw vacuum
- 5° F/minute ramp to 170° F
- Hold for 30 minutes (Optional)
- 5° F/minute ramp to 200° F
- Hold for 90 minutes
- Cool to less than 150° F at 3 to 5° F/minute
- Release Vacuum and Demold

Vacuum Bag in Oven Cycle 3

- Draw Vacuum
- 5° F /Minute Ramp to 175° F
- Hold at 175° F for 30 Minutes (Optional)
- 5° F /Minute Ramp to 275° F
- Hold at 275° F for 15 to 20 Minutes
- Cool to less than 150° F at 3 to 5° F/Minute
- Release Pressure/Vacuum and Demold

Notes: All temperatures are determined by a lagging thermo-couple. For autoclave/press cycles a pressure of 40 to 50 psi is recommended. In autoclave molding cycles the optional flow stage may not be necessary. This will depend on various factors such as the part, the tool and the heating environment.

Recommended Storage

- Room Temperature (77° F)	Fourteen (14) Days
- 40° F	Four (4) Months
- 0° F	Twelve (12) Months



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NOTE: EP202 Prepreg is wound with a polyethylene film release liner for easy release. The rolls are sealed in polyethylene film bags to protect prepreg from moisture and other contaminants. The bags should remain sealed while the prepreg is under refrigeration and only removed when the prepreg has had sufficient time to warm to room temperature. When not in use, the prepreg should be returned to refrigerated storage. Care should be exercised to limit out-time of the prepreg in order to insure maximum shelf life. Torn bags should be replaced. 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.
Rev. Date: 2/09