



EP200 Epoxy Prepreg

EP200 is a low temperature curing, rubber modified epoxy that cures in the 190° F to 210° F range. EP200 prepreg has the ability to snap cure at 275° F in 10 minutes dwell. Snap cure laminates have low void content and retain nearly identical performance properties. EP200 is self-adhesive to aramid honeycomb as well as other sandwich cores and can be used for a wide variety of structural applications.

Properties of EP200-7781

Flexural Strength, psi	105,000
Flexural Modulus, psi	4,200,000
Short Beam Shear Strength, psi	8,600
Tensile Strength, psi	72,000
Tensile Modulus, psi	3,600,000
Compressive Strength, psi	66,000
Compressive Modulus, psi	4,500,000

Process Information – EP200

Vacuum Bag - Autoclave Cycle

- Draw Vacuum and apply 50 - 70 psi autoclave pressure
- 5° F /Minute Ramp to 200° F - 210° F (Part Temperature)
- Hold at 200° F - 225° F for 60 to 90 Minutes
- Cool to less than 150° F at 3 to 5° F/Minute
- Release Pressure/Vacuum and Demold

Vacuum Bag in Oven Cycle

- Draw vacuum
- 5° F/minute ramp to 160° F Part Temperature
- Hold for 30 to 45 minutes
- 5° F/minute ramp to 190° F—210° F Part Temperature
- Hold for 60 to 90 minutes
- Cool to less than 150° F at 3 to 5° F/minute
- Release Vacuum and Demold

Vacuum Bag - Autoclave Cycle For Snap Cure

- Draw Vacuum and apply 50 - 70 psi autoclave pressure
- 5° F /Minute Ramp to 275° F - 285° F (Part Temperature)
- Hold at 275° F - 285° F for 10 to 20 Minutes
- Cool to less than 150° F at 3 to 5° F/Minute
- Release Pressure/Vacuum and Demold

Press Cycle

- 60 to 90 minutes at 200° F, at 50 to 80 psi
- 15 minutes at 275° F—285° F for 10 to 20 minutes

Recommended Storage

- Room Temperature (77° F)	Ten (10) Days
- 40° F	Six (6) Months
- 0° F	Twelve (12) Months

NOTE: EP200 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.

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.