



EP200 HT Epoxy Prepreg

EP200 HT is an advanced epoxy prepreg system that is a low temperature curing, rubber modified epoxy that offers a wide variety of curing capabilities.

Properties of EP200 HT 3K 2 x 2 twill Carbon Fabric

Tensile Strength, psi	103,000
Tensile Modulus, psi	8,200,000
Flexural Strength, psi	114,000
Flexural Modulus, psi	6,400,000
Short Beam Shear Strength, psi	7,800

Process Information

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 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 1

- Draw Vacuum and apply 50 - 70 psi autoclave pressure
- 5° F/minute ramp to 170° F
- Hold for 30 minutes (optional)
- 5° F /Minute Ramp to 200° F - 210° F (Part Temperature)
- Hold at 200°F to 210°F for 60 Minutes
- Cool to less than 150° F at 3 to 5° F/Minute
- Release Pressure/Vacuum and demold

Vacuum Bag in Autoclave Cycle 2

- Draw vacuum and apply 50 - 70 psi autoclave pressure
- 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

LEWCOTT CORPORATION

86 Providence Road, Millbury MA 01527
Toll Free 800-225-7725 Tel. 508-865-1791 Fax 508-865-0302

Shelf Life Information

Room Temperature (77°F)	4 weeks
0°F	6 months

NOTE: EP200 HT Prepreg is wound with a polyethylene film 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.

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