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EP387
Epoxy Prepreg

EP387 is a 365° F curing, epoxy system suitable for use in areas requiring extremely high temperature performance and fire resistance. EP387 is a dry, tack free prepreg and displays a glass transition temperature of 355° F without a post cure.

Properties of EP387-5.7 oz 3K PW Standard Modulus Carbon

Flexural Strength, psi	108,000
Flexural Modulus, psi	6,400,000
Tensile Strength, psi	80,000
Tensile Modulus, psi	7,600,000
Compressive Strength, psi	81,000
Interlaminar Shear Strength, psi	10,500
UL94V-0	Pass
Tg (via TMA, Thermal Expansion)	355° F

Process Information—EP387

Autoclave Cycle:
Draw vacuum and apply 85-100 psi autoclave pressure
5° F/minute ramp to 240° F (optional)
Hold for 30 to 45 minutes (optional)
5° F/minute ramp to 365° F
Hold at 365° F for 70 minutes
Cool to less than 180° F at 3 to 5° F/minute
Release pressure/vacuum and demold

Press Cycle:
Apply 100 psi minimum pressure
5° F/minute ramp to 365° F
Hold for 70 minutes
5° F/minute ramp to 365° F
Cool to less than 180° F at 3 to 5° F/minute

Recommended Storage

- Room Temperature (77° F)	Two (2) Weeks
- 0° F	Six (6) Months

NOTE: EP387 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.

Date: 05/01/06