



## EP251 EPOXY PREPREG

EP251 is a low temperature curing toughened epoxy. EP251 cures in the 250° F to 275° F range. EP251 is applicable for a wide variety of structural components. EP251 is available on glass, aramid and carbon fabrics.

### Properties of EP251-7781

Tensile Strength, psi	75,000
Tensile Modulus, psi	3,800,000
Tensile Strain at Failure	2.6%
Flexural Strength, psi	87,000
Flexural Modulus, psi	3,650,000
Interlaminar Shear Strength, psi	6,400
Barcol Hardness	80

(Data from Vacuum Bag Oven Cured panel, 9 to 9.4 mils Cured Ply thickness)

### Properties of EP251-3743

Tensile Strength, psi	106,000
Tensile Modulus, psi	4,870,000
Flexural Strength, psi	139,000
Flexural Modulus, psi	4,960,000
Interlaminar Shear Strength, psi	8,900

(Data from Vacuum Bag Oven Cured panel, 9.3 to 9.8 mils Cured Ply thickness)

### PROCESS INFORMATION

- Apply Vacuum Bag in Oven Cycle
- 5° F/Minute Ramp to 175° F (Part Temperature)
- Hold for 30 Minutes
- 5° F/Minute Ramp to 250° F– 260° F (Part Temperature)
- Hold at 250° F for Two (2) Hours
- Cool to less than 180° F at 3 to 5° F/Minute
- Release Pressure/Vacuum and Demold

(Higher Cure Temperatures can be used up to 275° F: Hold for 1 ½ Hours at 275° F)

### Recommended Storage

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

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.