



FM2 Polyester Prepreg

FM2 is a series of polyester prepregs are designed for low pressure laminating in a temperature of 225° F to 275° F. Developed to offer precise and controlled flow, these prepregs provides excellent strength and structural integrity. FM2 prepregs are used in fishing rods, radomes, industrial items, and hot sticks. A fire retardant version, FM2A is also available.

Properties of FM2-7781

Tensile Strength, psi	64,000
Tensile Modulus, psi	3,200,000
Flexural Strength, psi	66,000
Flexural Modulus, psi	3,100,000
Interlaminar Shear Strength, psi	5,200

Properties of FM2-3743

Flexural Strength, psi	125,000
Flexural Modulus, psi	4,000,000

PROCESS INFORMATION

Vacuum Bag in Oven

Draw vacuum
3 to 5° F/minute ramp to 175° F (optional)
Hold for 30 to 45 minutes
3 to 5° F /minute ramp to 250 to 275° F
Hold for 60 to 90 minutes
Cool at 3 to 5° F/minute to 180° F
Release vacuum and demold

Recommended Storage

- Room Temperature (77° F)	Four (4) Weeks
- 40° F	Six (6) Months
- 0° F	Twelve (12) Months

NOTE: FM2 Prepregs are wound with a polyethylene film interliner for easy release. The rolls are sealed in polyethylene film bags to protect prepreg from air, moisture and other contaminants. The bags should remain sealed while the prepreg is stored 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.