



FM3 Phenolic Prepreg

FM3 is a modified phenolic prepreg resin system that is used in applications requiring a combination of fatigue and heat resistance, as well as being cost effective. FM3 is recommended for use in commercial applications, such as fishing rods, kayak paddles and industrial tubing.

Properties of FM3-7781

Tensile Strength, psi	62,000
Tensile Modulus, psi	3,750,000
Flexural Strength, psi	65,000
Flexural Modulus, psi	3,300,000
Interlaminar Shear Strength, psi	5,300
Barcol Hardness	75

PROCESS INFORMATION - FM3

Apply Vacuum/Pressure
5° F/Minute Ramp to 275° F (Part Temperature)
Hold at 275° F for 60 - 90 Minutes
Cool to Less Than 180° F at 3 to 5° F/Minute
Release Pressure/Vacuum and Demold

Recommended Storage

- Room Temperature (77° F)	Two (2) Weeks
- 40° F	Six (6) Months
- 0° F	Twelve (12) Months

NOTE: FM3 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.