



## LC195 Snap Cure Phenolic Prepreg for Transportation Interiors

LC195 is a specifically developed phenolic prepreg system that is adhesive to aramid/phenolic honeycomb core. LC195 uses a unique phenolic resin, developed and manufactured by Lewcott that allows 10 minute cure cycles in a hot press. LC195 does not blister or delaminate due to the unique phenolic resin chemistry. LC195 is self-extinguishing, and meets flammability requirements for use in aircraft interiors.

### Properties of LC195-7781

Flexural Strength, psi	66,000
Flexural Modulus, psi	3,100,000
Tensile Strain, psi	62,000
Tensile Modulus, psi	3,000,000
Compressive Strength, psi	58,000
Compressive Modulus, psi	3,200,000
Short Beam Shear Strength, psi	4,500
Climbing Drum Peel, in-lbs/inch width	2 in-lb/inch width
OSU, Peak Heat Release Rate, kW/m <sup>2</sup>	10-30
OSU, Total Heat Release Rate, kW-min/ m <sup>2</sup>	10-30

### PROCESS INFORMATION – LC195

#### **Snap Cure Press Molding Cycle**

10 minutes at 275° F, 40 to 100 psi, no bumps

#### **Recommended Storage**

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

**NOTE:** LC195 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.

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.