



LC194M Phenolic Prepreg

LC194M is an advanced phenolic prepreg system that is self-adhesive to aramid/phenolic honeycomb core. LC194M is self-extinguishing, and handily meets flammability requirements for use in aircraft interiors.

LC194M 7781 Laminate

Tensile Strength, psi	60,000
Tensile modulus, psi	2,800,000
Short Beam Shear Strength, psi	3,500

Two ply LC194M 7781 per side Structure, 0.500" thick Aramid honeycomb, 3.0 pcf, 1/8" cell

Climbing Drum Peel, in-lbs/inch width (2 ply per side, 1/2", 3 pcf, 1/8" cell)	6 - 9
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One ply LC194M 7781 per side Structure, 0.100" thick Aramid honeycomb, 1.8 pcf, 1/8" cell

OSU, Peak Heat Release Rate, kW/m ²	10 - 25
OSU, 2 Minute Total Heat Release Rate, kW-min/ m ²	15 - 30
Specific Optical Density, Ds (ASTM E662-96)	15 - 25

One ply LC194M 7781 per side Structure, 0.450" thick Aramid honeycomb, 1.8 pcf, 1/8" cell

Long Beam Flexural Strength, psi	15,000
Flat Wise Tensile, psi	200

PROCESS INFORMATION – LC194M

Press Cycle

- 45 to 60 minutes at 235° F to 250° F, 40 to 60 psi

RECOMMENDED STORAGE

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|----------------------------|----------------|
| · 77° F - Room Temperature | Four (4) Weeks |
| · 0° F - Freezer | Six (6) 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.