



# PRODUCT DATA SHEET

**LC-E334**

**350 Degree Curing  
Epoxy Glass Prepreg**

### Description

LC-E334 is a single or two side coated, 350°F (177°C) epoxy glass prepreg which exhibits excellent performance at temperatures up to 400°F (204°C). LC-E334 has proven to be ideal where a higher Tg is required along with additional toughness.

### Advantages

LC-E334 is ideal for multi ply laminates or sandwich structures requiring an elevated Tg. Excellent strength and toughness allow for LC-E334 to perform well in a variety of finished part shapes and sizes. Low volatiles have also proven ideal for low void, multiple ply lay ups. A wide variety of cure cycles, cure temperatures and pressure also allow for LC-E334 to be very user friendly throughout processing.

### Physical Properties

Density: 1.2 G/cm<sup>3</sup> per ASTM D792  
Gel Time @ 350°F (177°C): 3-5 minutes  
Glass Transition Temperature (Tg): 218°F (103°C)  
Color: Cream  
Tack: Medium-High

### Shelf Life/Out Life/Storage

Shelf Life: 6 months from Certification Date  
Out Life: 14 days @ 70°F (21°C)  
Storage Temp: 40° F or below

### Processing/Cure Cycle Recommendations

LC-E334 can be processed at 350°F. (177°C.) for 60 minutes followed up with post cure of up to 400°F (204° C) when a higher Tg is required. A 350°F (177°C) cure for 60 minutes is optimal in most cases using press, vacuum bag or autoclave processing with 25 psi pressure.

<b>Mechanical Properties</b>				
<b>Property</b>	<b>Tested per Specification</b>	<b>R.T. (75 °F)</b>	<b>250° F</b>	<b>350 °F</b>
<b>Ultimate Tensile Strength (psi)</b>	FTMS 406	66,100	62,300	60,000
<b>Tensile Modulus (psi x 10E6)</b>	FTMS 406	4.0	3.7	3.5
<b>Ultimate Compression Strength (psi)</b>	FTMS 406	67,500	53,000	46,000
<b>Compression Modulus (psi x 10E6)</b>	FTMS 406	4.1	3.9	3.6
<b>Ultimate Flexural Strength (psi)</b>	FTMS 406	92,000	77,500	64,000
<b>Flexural Modulus (psi x 10E6)</b>	FTMS 406	4.1	3.9	3.4

\*Tests performed using LC-E334-7781 @ 40% RC, press cured @ at 350° F, 25 psi pressure using ½" thick, 1/8" cell, 3# Nomex™ honeycomb core.

\*\*Additional fabric styles available upon request

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