



PRODUCT DATA SHEET

LC-E328
350 Degree Epoxy
Glass Prepreg

Description

LC-E328 is a single or two side coated, epoxy glass prepreg designed for service temperatures at 350°F (176° C) with intermittent temperatures up to 500° F (260° C). This system can also be ideal for multi-ply laminates requiring thick cross sections.

Advantages

LC-E328 can be layed up and cured in thick laminates without worry of exotherm (e.g. Very Hot Reaction). A wide variety of cure cycles also allow for LC-E328 to be very user friendly throughout processing. Low volatiles have proven ideal for low void, multiple ply lay ups.

Physical Properties

Density: 1.22 G/cm³ per ASTM D792
Gel Time @ 275°F (135°C): 75 -85 minutes
Glass Transition Temperature (T_g): 305°F (152°C)
Color: Black
Tack: Medium

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

Heat oven to 200° F. (93° C). Maintain part for 60 minutes at 200° F. (93° C).
Heat oven to 250° F. (121° C). Maintain part for 120 minutes at 250° F. (121° C).
Heat oven to 350° F. (177° C). Maintain part for 4 hours at 350° F. (177° C).
Turn oven off. Allow to cool in oven below 150°F (66° C) before removing.
*Freestanding post cure at 350° F may be applied.

Mechanical Properties				
Property	Tested per Specification	R.T. (75 °F)	R.T. Wet	160 °F
Ultimate Tensile Strength (psi)	FTMS 406	8,500	N/A	N/A
Tensile Modulus (psi x 10E5)	FTMS 406	3.4	N/A	N/A
Elongation at Break, %	FTMS 406	3.3	N/A	N/A

*Tests performed using LC-E328-7781 @ 36% RC.

**Additional fabric styles available upon request

LincolnCompositeMaterials.com

(714) 898-8350

Sales@LCMaterials.com

15422 Electronic Lane

Huntington Beach, CA 92649

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