



# CARBON PREPREGS SELECTION GUIDE

PRODUCT	DESCRIPTION	NOMINAL CURE TEMP F° (C°) / TIME	COLOR	APPLICATION	MISC.
LC-E420	Toughened Epoxy Prepreg	250 (121) / 60 min.	Black	Sandwich structures, laminates, radomes, antennas and structures requiring low dielectric constant	Various fabric styles available.
LC-E421	Flame Retardant Epoxy Prepreg	250 (121) / 60 min.	Black	Laminates, sandwich structures without use of additional film adhesive	Various fabric styles available. Meets FAR 25.853.
LC-E421ET	Flame Retardant Epoxy Prepreg Elevated Tg vs LC-E421	250 (121) / 60 min.	Black	Laminates, sandwich structures without use of additional film adhesive	Various fabric styles available. Meets FAR 25.853.
LC-E421FR	Flame Retardant Epoxy Prepreg Additional FR vs LC-E421	250 (121) / 60 min.	Black	Laminates, sandwich structures without use of additional film adhesive	Various fabric styles available. Meets FAR 25.853.
LC-E421QC	Flame Retardant Epoxy Prepreg Accelerated Cure Cycle vs LC-E421	260 (126) / 20 min.	Black	Laminates, sandwich structures without use of additional film adhesive	Various fabric styles available. Meets FAR 25.853.
LC-E422	Toughened Flame Retardant Epoxy Prepreg	250 (121) / 60 min.	Black	High toughness for laminates, sandwich structures without use of additional film adhesive, high impact areas	Various fabric styles available. Meets FAR 25.853.
LC-E423	Toughened Clear Epoxy Prepreg	250 (121) / 60 min.	Clear/ Clear Black	Automotive, sporting goods requiring optically clear finish	Various fabric styles available.
LC-E424	Toughened Flame Retardant Epoxy Prepreg Low Temp Processing	175 (79) / 360 min.	Black	High toughness for wood, foam, bolsa construction, laminates, sandwich structures without use of additional film adhesive	Various fabric styles available. Meets FAR 25.853.
LC-E425	Toughened Flame Retardant Epoxy Prepreg	250 (121) / 60 min.	Black	Laminates, sandwich structures without use of additional film adhesive, high impact areas	Various fabric styles available
LC-E428	Low Exotherm Epoxy Prepreg	250 (121) / 60 min. See data sheet for additional cure cycle(s)	Black	Laminates, multi-ply structural parts thick cross sections	Various cure cycles pending part thickness.
LC-E433	Toughened Clear Epoxy Prepreg	175 (79) / 360 min.	Clear/Clear Black	High toughness for wood, foam, bolsa construction laminates, sandwich structures without use of additional film adhesive	Various fabric styles available.
LC-E434	High Temperature Epoxy Prepreg	350 (176) / 60 min.	Black	High temperature laminates, sandwich structures, multi-ply structural parts	Various fabric styles available. FR version available.
LC-E439	Variable Temperature Cure Epoxy Prepreg	250 (121) / 60 min.	Clear/ Clear Black	High Gloss Cosmetic Parts	Low temp initial cure w/ high temp capabilities after post cure
LC-E445T	Variable Temperature Cure Epoxy Tooling Prepreg	See Data Sheet for cure cycle & post cure	Black	Tooling, caul sheets requiring high quality surface finish	Low temp initial cure w/ high temp capabilities after post cure.
LC-C447	Cynate Ester Prepreg	250 (121) / 180 min.	Black	High service temperature parts requiring low dielectric constant	Elevated post cure available for higher Tg requirements.

- NOTES:
- Additional cure cycles available upon request
  - Most materials can be supplied with 1 or 2 side coating

To order, please contact our Customer Service Team at [myorder@freemansupply.com](mailto:myorder@freemansupply.com).