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Design, formulator & manufacturer for unique applications

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AS9100

Aerospace



## FILM ADHESIVES

LCM PRODUCT	DESCRIPTION	NOMINAL CURE TEMP F° (C°) / TIME	COLOR	APPLICATION	MISC.
LC-E220	Epoxy Film Adhesive	250 (121) / 60 min	Cream	Bonding metal(s), composites, misc. substrates, honeycomb structures	Various weights available
LC-E221	Flame Retardant Epoxy Film Adhesive	250 (121) / 60 min	Cream	Bonding metal(s), composites, misc. substrates, honeycomb structures	Various weights available
LC-E221ET	Flame Retardant Epoxy Film Adhesive Elevated Tg vs. LC-E221	250 (121) / 60 min	Cream	Bonding metal(s), composites, misc. substrates, honeycomb structures	Various weights available
LC-E221FR	Flame Retardant Epoxy Film Adhesive Additional Flame Retardant vs LC-E221	250 (121) / 60 min	Cream	Bonding metal(s), composites, misc. substrates, honeycomb structures	Various weights available
LC-E221QC	Flame Retardant Epoxy Film Adhesive with Accelerated Cure Cycle vs LC-E221	260 (126) / 20 min	Cream	Bonding metal(s), composites, misc. substrates, honeycomb structures, with reduced process time	Various weights available
LC-E222	High Peel Flame Retardant Epoxy Film Adhesive	250 (121) / 60 min	Cream	High peel for bonding metal(s), composites, misc. substrates, honeycomb structures, excellent for high impact areas	Various weights available
LC-E23	Optically Clear Epoxy Film Adhesive	250 (121) / 60 min	Clear/Clear Tint	Cosmetic parts requiring high clarity	Low, medium, high tack available
LC-E224	High Peel, Low Temp Flame Retardant Epoxy Film Adhesive	175 (79) / 360 min	Cream	High Toughness for wood/foam/bolsa construction, Low temp processing	Various weights available
LC-E225	High Peel Epoxy Film Adhesive	250 (121) / 60 min	Cream	Bonding metal(s), composites, misc. substrates, honeycomb structures	Various weights available
LC-E232FR	Flame Retardant Epoxy Core Splice	250 (121) / 60 min	Light Blue	Core splice, Edge close out	Expansion ratio 2-3 times
LC-E237G	Flame Retardant Epoxy Surfacing Film	250 (121) / 60 min	Gray	Flat and contour parts requiring improved surface finish	Various weights & colors available

### NOTES:

- Colors available upon request.
- Film adhesives can be supplied unsupported or supported with various substrates.
- Additional cure cycles available.



## CARBON PREPREGS

LCM PRODUCT	DESCRIPTION	NOMINAL CURE TEMP F° (C°) / TIME	COLOR	APPLICATION	MISC.
LC-E420	Epoxy Carbon Prepreg	250 (121) / 60 min	N/A	Laminate, Sandwich Structure, Radomes	Various colors & fabric styles available
LC-E421	Flame Retardant Epoxy Carbon Prepreg	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without the use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E421ET	Flame Retardant Epoxy Carbon Prepreg Elevated Tg vs LC-E321	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E421FR	Flame Retardant Epoxy Carbon Prepreg Additional Flame Retardant vs LC-E321	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E421QC	Flame Retardant Epoxy Carbon Prepreg Accelerated Cure Cycle vs LC-E321	260 (126) / 20 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E422	High Peel Flame Retardant Epoxy Carbon Prepreg	250 (121) / 60 min	N/A	High Toughness for Laminate, Sandwich Structure without use of additional film adhesive, High impact areas	Various colors & fabric styles available Meets FAR 25.853
LC-E423	Optically Clear Epoxy Carbon Prepreg	250 (121) / 60 min	Per Supporting Fabric	Automotive, Sporting good parts requiring clear finish	Low, medium, high tack available
LC-E424	High Peel Flame Retardant Epoxy Carbon Prepreg	175 (79) / 360 min	N/A	High Toughness for wood/foam/balsa construction, Low temp processing	Various colors & fabric styles available Meets FAR 25.853
LC-E425	High Peel Epoxy Carbon Prepreg	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive, High impact areas	Various colors & fabric styles available
LC-E428	Epoxy Carbon Prepreg	350 (176) See Data Sheet for Cure	Black	High Temperature Laminate, Multi-ply structural parts, Thick cross sections	Various cure cycles pending part thickness

**NOTES:**

- Various colors available upon request.
- Additional cure cycles available.



## FIBERGLASS PREPREGS

LCM PRODUCT	DESCRIPTION	NOMINAL CURE TEMP F° (C°) / TIME	COLOR	APPLICATION	MISC.
LC-E320	Epoxy Fiberglass Prepreg	250 (121) / 60 min	Cream	Laminate, Sandwich Structure, Radomes	Various colors & fabric styles available
LC-E321	Flame Retardant Epoxy Fiberglass Prepreg	250 (121) / 60 min	Cream	Laminate, Sandwich Structure without the use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E321ET	Flame Retardant Epoxy Fiberglass Prepreg Elevated Tg vs LC-E321	250 (121) / 60 min	Cream	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E321FR	Flame Retardant Epoxy Fiberglass Prepreg Additional Flame Retardant vs LC-E321	250 (121) / 60 min	Cream	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E321QC	Flame Retardant Epoxy Fiberglass Prepreg Accelerated Cure Cycle vs LC-E321	260 (126) / 20 min	Cream	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E322	High Peel Flame Retardant Epoxy Fiberglass Prepreg	250 (121) / 60 min	Cream	High Toughness for Laminate, Sandwich Structure without use of additional film adhesive, High impact areas	Various colors & fabric styles available Meets FAR 25.853
LC-E324	High Peel Flame Retardant Epoxy Fiberglass Prepreg	175 (79) / 360 min	Cream	High Toughness for wood/foam/balsa construction, Low temp processing	Various colors & fabric styles available Meets FAR 25.853
LC-E325	High Peel Epoxy Fiberglass Prepreg	250 (121) / 60 min	Cream	Laminate, Sandwich Structure without use of additional film adhesive, High impact areas	Various colors & fabric styles available
LC-E328	Epoxy Fiberglass Prepreg	350 (176) See data sheet for cure	Black	High Temperature Laminate, Multi-ply structural parts, Thick cross sections	Various cure cycles pending part thickness

**NOTES:**

- Various colors available upon request.
- Additional cure cycles available.



## PASTE ADHESIVES

LCM PRODUCT	DESCRIPTION	NOMINAL CURE TEMP F° (C°) / TIME	COLOR	APPLICATION	MISC.
LC-E101	2 Part Flame Retardant Epoxy Adhesive	Room Temperature	White	General purpose bonding of metallic, composites, etc.	Available in 1 & 5 gallon kits & 20 oz. cartridges
LC-E102	2 Part Edge Fill Flame Retardant Epoxy Adhesive	Room Temperature	Grey	Edge closeout for sandwich structures	Available in 1 & 5 gallon kits
LC-E103	2 Part Flame Retardant Epoxy Potting Compound	Room Temperature	White	Insert potting compound for sandwich structures	Available in 1 & 5 gallon kits & 6 oz. cartridges
LC-E105	2 Part Flame Retardant Epoxy Adhesive Higher Mechanicals vs LC-E101	Room Temperature	White	General purpose bonding of metallic, composites, etc.	Available in 1 & 5 gallon kits & 20 oz. cartridges
LC-E107	2 Part Flame Retardant Epoxy Adhesive Lower Density vs LC-E102	Room Temperature	Off-White	Edge closeout for sandwich structures	Available in 1 & 5 gallon kits
LC-E110	2 Part Laminating Resin	Room Temperature	Light Red	Wet lay up	Available in 1 & 5 gallon kits
LC-E110FR	2 Part Flame Retardant Laminating Resin	Room Temperature	Off-White	Wet lay up	Available in 1 & 5 gallon kits
LC-E111	2 Part Epoxy Casting Resin	Room Temperature	Clear	High clarity parts, Wet layup/Castings	Available in 1 & 5 gallon cans & 55 gallon drums
LC-E113	Single Component Epoxy Cure/Edge Fill	250 (121) / 60 min	Off-White	Structurally hard spots within sandwich construction, Co-curing edge close out	Available in 1 & 5 gallon kits

### NOTES:

- Various colors available upon request.
- Additional cure cycles available.



## ARAMID PREPREGS

LCM PRODUCT	DESCRIPTION	NOMINAL CURE TEMP F° (C°) / TIME	COLOR	APPLICATION	MISC.
LC-E520	Epoxy Aramid Prepreg	250 (121) / 60 min	N/A	Laminate, Sandwich Structure, Radomes	Various colors & fabric styles available
LC-E521	Flame Retardant Epoxy Aramid Prepreg	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without the use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E521ET	Flame Retardant Epoxy Aramid Prepreg Elevated Tg vs LC-E321	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E521FR	Flame Retardant Epoxy Aramid Prepreg Additional Flame Retardant vs LC-E321	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive	Various colors & fabric styles available Meets FAR 25.853
LC-E521QC	Flame Retardant Epoxy Aramid Prepreg Accelerated Cure Cycle vs LC-E321	260 (126) / 20 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive.	Various colors & fabric styles available Meets FAR 25.853
LC-E522	High Peel Flame Retardant Epoxy Aramid Prepreg	250 (121) / 60 min	N/A	High Toughness for Laminate, Sandwich Structure without use of additional film adhesive, High impact areas	Various colors & fabric styles available Meets FAR 25.853
LC-E523	Optically Clear Epoxy Aramid Prepreg	250 (121) / 60 min	Per Supporting Fabric	Parts requiring clear finish	Various colors & fabric styles available
LC-E524	High Peel Flame Retardant Epoxy Aramid Prepreg	175 (79) / 360 min	N/A	High Toughness for wood/foam/bolsa construction, Low temp processing	Various colors & fabric styles available Meets FAR 25.853
LC-E525	High Peel Epoxy Aramid Prepreg	250 (121) / 60 min	N/A	Laminate, Sandwich Structure without use of additional film adhesive, High impact areas	Various colors & fabric styles available

**NOTES:**

- Various colors available upon request.
- Additional cure cycles available.