

Product	Description	Applications	Form	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
AX-1000	Corrosion Inhibiting Primer	General purpose corrosion inhibition for metal / metal bonding	Sprayable primer	Yellow	250°F (121°C) for bake	300°F (149°C)	Compatible with most 250°F (121°C) film adhesives
AX-1001	High Temperature Corrosion Inhibiting Primer	General purpose corrosion inhibition for high temperature metal / metal bonding	Sprayable primer	Red	350°F (177°C) for bake	360°F (182°C)	Compatible with most 350°F (177°C) film adhesives
AX-1013	General Purpose Structural Epoxy Paste Adhesive	Room temperature bonding for metal/metal, metal/composite, composite/composite parts	2-component paste compound	Cream	Room Temp.	160°F (71°C)	
AX-1014	General Purpose, Two Component Epoxy Paste Adhesive	General purpose bonding of masonry, concrete, composites, and metals	2-component paste compound	Amber	Room Temp.	160°F (71°C)	Low viscosity. Designed for masonry-composite bonding
AX-1033FR	Low Density, Flame Retardant Epoxy Core Edge Closeout	Core edge filling of honeycomb structures	2-component, low density dough	White	Room Temp.	180°F (82°C)	Designed for weight-sensitive applications
AX-1300	Phenolic Sealing Resin	Sealing and finishing of phenolic composites	1-component resin	Amber or Black	300°F (149°C)	500°F (260°C)	Can be dyed black
AX-1611	Polyimide Sealing Resin, MDA-Free	Sealing and finishing of polyimide composites	1-component resin	Amber or Black	350°F (177°C)	640°F (338°C)	Can be dyed black

All data is provided for informational purposes only and does not guarantee or warranty a specification for which Axiom Materials assumes legal responsibility. Users should perform verification and testing to determine suitability for their specific process and curing conditions. Refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only. Revised 6/12/2019

PRODUCT SUPPORT

AXIOM MATERIALS, Inc.
 2320 Pullman St.
 Santa Ana, CA 92705

PHONE (949) 623-4400
 EMAIL Support@AxiomMaterials.com
 WEBSITE www.AxiomMaterials.com
 FAX (949) 261-6009

Product	Description	Applications	Form	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
AX-2114	High Performance Toughened Epoxy Film Adhesive	High performance / high peel bonding applications for metallic and composite substrates	Adhesive film, supported	Off-white	250°F (121°C)	200°F (93°C)	Also available unsupported. Color variations available.
AX-2115	Enhanced Peel, High Performance Toughened Epoxy Film Adhesive	High performance / high peel bonding applications for metallic, composite, and thermoplastic substrates	Adhesive film, supported	Red	250°F (121°C)	200°F (93°C)	Also available unsupported. Color variations available.
AX-2116	Highest Performance Toughened Epoxy Film Adhesive	Aerospace grade bonding applications for metallic and composite substrates	Adhesive film, supported	Off-white	250°F (121°C)	250°F (121°C)	Also available unsupported.
AX-2121	Variable Temp. Cure Epoxy Film Adhesive	Low temperature curing / prototype development / snap curing	Adhesive film, supported	Cream	160°F (71°C)	250°F (121°C)	Various colors available. Also available unsupported.
AX-2130	High Temperature, Toughened Epoxy Film Adhesive	High temperature metal / metal or composite bonding, honeycomb bonding	Adhesive film, supported	Blue	325°F (163°C)	350°F (177°C)	Also available unsupported. Color variations available.
AX-2140	Epoxy Surfacing & Finishing Film Adhesive	Surface finishing of composite parts. Co-cure with prepreg to reduce pitting and smooth part surfaces. Eliminates fill, fair, and repair	Adhesive film, supported	Grey	250°F (121°C) or 350°F (177°C)	250°F (121°C)	Color variations available. May be consolidated with lightning strike materials. Low temperature cure available.
AX-2150	Modified Thermosetting Film Adhesive	Low weight / medium load bonding applications. Honeycomb peel strength improvement	Lightweight adhesive film, unsupported	Light Blue	250°F (121°C) or 350°F (177°C)	250°F (121°C)	Heavier weights and supported versions available.
AX-2151	PVB Phenolic Ballistic Film Adhesive	Bonding promotion and high energy load transfer between fabrics for ballistic applications	Adhesive film, unsupported	Green	250°F (121°C)	200°F (93°C)	Typically used in aramid ballistic laminates.
AX-2190	Foaming Epoxy Core Splice Adhesive	Core splicing and edge-bonding of honeycomb cores and paneling	Medium weight adhesive film, small sheets	Light Orange	250°F (121°C) or 350°F (177°C)	300°F (149°C)	Available in a variety of forms. Flame retardant versions are available.

All data is provided for informational purposes only and does not guarantee or warranty a specification for which Axiom Materials assumes legal responsibility. Users should perform verification and testing to determine suitability for their specific process and curing conditions. Refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only.

Product	Description	Applications	Form	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
AX-3100	Toughened Low Dielectric Epoxy Fiberglass Prepreg	High transmission applications, radomes	Woven Prepreg, solution coated	Off-white on white	250°F (121°C)	200°F (93°C)	Meets FAR 25.853.
AX-3110	Toughened, Flame Retardant Epoxy Fiberglass Prepreg	Flame retardant laminates, honeycomb and foam panels	Woven Prepreg (1 or 2-side coated)	Off-white on white	250°F (121°C)	180°F (82°C)	Meets FAR 25.853.
AX-3112T	High Toughness Flame Retardant Epoxy Fiberglass Prepreg	High toughness, flame retardant laminates, ducting, honeycomb panels, and foam panels	Woven Prepreg, solution coated	Off-white on white	250°F (121°C)	200°F (93°C)	Meets FAR 25.853. High Temp (HT) grade available.
AX-3170	Cyanate Ester Fiberglass Prepreg	High service temperature laminates with low dielectric constant & low dissipation factor	Woven Prepreg (1 or 2-side coated)	Clear on white	260°F (127°C)	700°F (371°C)	700°F service achieved using 550°F post cure
AX-3180	Low OSU / FST Epoxy Fiberglass Prepreg	Aircraft interior laminates & panels, A/C ducting	Woven Prepreg (1 or 2-side coated)	White on white	250°F (121°C)	250°F (121°C)	Meets 25.853 & FST / OSU Snap Cure (SC) available.
AX-3201XL	Toughened Epoxy Fiberglass Laminating Prepreg Extra-long Outlife	High strength laminates requiring good structural properties and/or high clarity	Woven Prepreg (1 or 2-side coated)	Clear on white	Variable	250°F (121°C)	Flame Retardant (XL/FR) variant available.
AX-3206	Toughened Epoxy Fiberglass Laminating Prepreg	High toughness laminates for prosthetics and race car industry	Woven Prepreg (1 or 2-side coated)	White on white	Variable	250°F (121°C)	More toughened than AX-3201 series.
AX-3220	High Temperature Epoxy Fiberglass Prepreg	High temperature laminates and high temperature ducting	Woven Prepreg (1 or 2-side coated)	Clear on white	350°F (177°C)	400°F (204°C)	Post cure recommended for peak performance. FR grade available.
AX-3260EL	Epoxy Fiberglass Tooling Prepreg	Low temperature cure, high temperature service tooling	Woven Prepreg (1 or 2-side coated)	Light amber on white	125°F (52°C) initial, 380°F (193°C) final	375°F (191°C)	Low temperature initial cure, then free-standing postcure to achieve Tg
AX-3270	Structural Epoxy Fiberglass Prepreg	Structural composite components	Woven Prepreg (1 or 2-side coated)	Cream on white	300°F (149°C)	350°F (177°C)	Color variations available. Flame retardance available.
AX-3300	High Temperature Phenolic Laminating Fiberglass Prepreg	Ballistic panels, high temperature laminates	Woven Prepreg, solution coated	Amber on white	300°F (149°C)	500°F (260°C)	Resin meets MIL-R-9299C
AX-3500	Toughened Phenolic Fiberglass Prepreg	Honeycomb panels for aircraft interior components	Woven Prepreg, solution coated	Amber on white	275°F (135°C)	250°F (121°C)	Press grade and layup grade available.
AX-3605	Modified Silica S-glass Prepreg	High service temp laminates for insulation & aircraft structures	Woven Prepreg, solution coated	White on white	350°F (177°C)	950°F (510°C)	For autoclave or pressing processes. Low tack.
AX-3611	MDA-free Condensation Polyimide Fiberglass Prepreg	High temp laminating applications	Woven Prepreg, solution coated	Amber on white	350°F (177°C)	640°F (338°C)	MDA-free

All data is provided for informational purposes only and does not guarantee or warranty a specification for which Axiom Materials assumes legal responsibility. Users should perform verification and testing to determine suitability for their specific process and curing conditions. Refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only.

Product	Description	Applications	Form	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
AX-4110	Toughened, Flame Retardant Epoxy Aramid Prepreg	Flame retardant laminates, honeycomb panels, and foam panels	Woven Prepreg (1 or 2-side coated)	Off-white on yellow	250°F (121°C)	180°F (82°C)	Meets FAR 25.853
AX-4112T	High Performance, Toughened Epoxy Aramid Prepreg	High toughness, FR laminates, ducting, honeycomb panels, and foam panels	Woven Prepreg, solution coated	Off-white on yellow	250°F (121°C)	200°F (93°C)	Meets FAR 25.853
AX-4151	Modified PVB Phenolic Aramid Prepreg	High strength and impact-resistant bonding and laminating typically for ballistic applications	Woven Prepreg (1 or 2-side coated)	Off-white on yellow	275°F (135°C)	180°F (82°C)	Resin meets MIL-DTL-62474F
AX-4180	Low OSU / FST Epoxy Aramid Prepreg	Aircraft interior laminates & panels, A/C ducting	Woven Prepreg (1 or 2-side coated)	White on yellow	250°F (121°C)	250°F (121°C)	Meets FAR 25.853 & FST / OSU requirements
AX-4201XL	Toughened Epoxy Aramid Laminating Prepreg Extra-long Outlife	High strength laminates requiring good structural properties and/or high clarity	Woven Prepreg (1 or 2-side coated)	Clear on yellow	Variable	250°F (121°C)	Flame Retardant (XL/FR) variant available
AX-4220	High Temperature Epoxy Laminating Aramid Prepreg	High temperature laminates and high temperature ducting	Woven Prepreg (1 or 2-side coated)	Clear on yellow	350°F (177°C)	400°F (204°C)	Post cure recommended for peak performance. FR grade available.
AX-4270	Structural Epoxy Aramid Prepreg	Structural composite components	Woven Prepreg (1 or 2-side coated)	Cream on yellow	300°F (149°C)	350°F (177°C)	Color variations available. Flame retardance available.
AX-4300	High Temperature Phenolic Laminating Aramid Prepreg	Ballistic panels, high temperature laminates	Woven Prepreg, solution coated	Amber on yellow	300°F (149°C)	500°F (260°C)	Resin meets MIL-R-9299C
AX-4500	Toughened Phenolic Aramid Prepreg, Self-Adhesive	Honeycomb panels for aircraft interior components	Woven Prepreg, solution coated	Amber on yellow	275°F (135°C)	250°F (121°C)	Press grade and layup grade available

All data is provided for informational purposes only and does not guarantee or warranty a specification for which Axiom Materials assumes legal responsibility. Users should perform verification and testing to determine suitability for their specific process and curing conditions. Refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only.

Product	Description	Applications	Form	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
AX-5112T	High Toughness, Flame Retardant Epoxy Carbon Prepreg	High toughness, flame retardant laminates, ducting, & honeycomb panels	Woven Prepreg, solution coated	Off-white on black	250°F (121°C)	200°F (93°C)	Meets FAR 25.853.
AX-5170	Cyanate Ester Carbon Prepreg	High service temperature laminates	Woven Prepreg (1 or 2-side coated)	Clear on black	260°F (127°C)	700°F (371°C)	700°F service achieved using 550°F post cure
AX-5180	Low OSU / FST Epoxy Carbon Prepreg	Aircraft interior laminates & panels, A/C ducting	Woven Prepreg (1 or 2-side coated)	White on black	250°F (121°C)	250°F (121°C)	Meets FAR 25.853 & FST / OSU requirements. Color variations available.
AX-5201XL	Toughened Epoxy Carbon Laminating Prepreg Extra-long Outlife	High strength laminates requiring good structural properties and/or high clarity	Woven Prepreg (1 or 2-side coated)	Clear or black on black	Variable	250°F (121°C)	Flame Retardant (XL/FR) variant available
AX-5202HT	High Temp Cosmetic Epoxy Carbon Prepreg	UV resistant parts requiring high thermal resistance	Woven Prepreg (1 or 2-side coated)	Clear on black	Variable	425°F (218°C)	Used extensively in autosport applications
AX-5205	Epoxy Carbon Prepreg for High Quality Surface	Low temp or standard temp option for laminates requiring a high quality surface and cosmetic appearance	Woven Prepreg (1 or 2-side coated)	Clear or black on black	Variable	250°F (121°C)	Low temp cure grade available (S)
AX-5206	Toughened Epoxy Carbon Laminating Prepreg	High toughness laminates for prosthetics and race car industry	Woven Prepreg (1 or 2-side coated)	White or black on black	Variable	250°F (121°C)	More toughened than AX-5201 series
AX-5209	High Quality Surface Epoxy Carbon Prepreg	High clarity, low void content laminates requiring low temperature initial cure	Woven Prepreg (1 or 2-side coated)	Clear on black	150°F (66°C) initial, 210°F (99°C) final	250°F (121°C)	Low temperature initial cure, then free-standing postcure to achieve Tg
AX-5220	High Temperature Epoxy Laminating Carbon Prepreg	High temperature laminates, high temperature ducting	Woven Prepreg (1 or 2-side coated)	Clear on black	350°F (177°C)	400°F (204°C)	Post cure recommended for peak performance. FR grade available.
AX-5260EL	Epoxy Carbon Tooling Prepreg	Low temperature cure, high temperature service tooling	Woven Prepreg (1 or 2-side coated)	Black on black	125°F (52°C) initial, 380°F (193°C) final	375°F (191°C)	Low temperature initial cure, then free-standing postcure to achieve Tg
AX-5270	Structural Epoxy Carbon Prepreg	Structural composite components	Woven Prepreg (1 or 2-side coated)	Cream on black	300°F (149°C)	350°F (177°C)	Color variations available. Flame retardance available.
AX-5300	High Temperature Phenolic Carbon Prepreg	Carbon-carbon composites, high temperature laminates	Woven Prepreg, solution coated	Amber on black	300°F (149°C)	500°F (260°C)	Resin meets Mil-R-9299C
AX-5500	Toughened Phenolic Carbon Prepreg	Press cured aircraft interior sandwich panels	Woven Prepreg, solution coated	Amber on black	260°F (127°C)	250°F (121°C)	Press grade and layup grade available.
AX-5605	Modified Silica Carbon Prepreg	High service temp laminates for aircraft ducting and racing applications	Woven Prepreg, solution coated	White or black on black	350°F (177°C)	900°F (482°C)	For autoclave or pressing processes. Low tack.
AX-5611	MDA-free condensation Polyimide Carbon Prepreg	High Temp laminating applications	Woven Prepreg, solution coated	Amber on Black	350°F (177°C)	640°F (338°C)	MDA-free

Note: All unidirectional prepregs are available in E-glass (E), S2 Glass (S), Carbon (C), Aramid (A) reinforcements

Product	Description	Applications	Form	Matrix Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
AX-6111	General Purpose Flame Retardant Epoxy Unidirectional Prepreg	Aircraft flooring, high-rise flooring, cargo liners, high impact surfaces, UAVs, sporting goods	UD prepreg (2-side coated)	Off white	250°F (121°C)	200°F (93°C)	Meets FAR 25.853.
AX-6180	Low FST/OSU Epoxy Unidirectional Prepreg	Aircraft interior components, seatbacks, doublers	UD prepreg (2-side coated)	White	250°F (121°C)	250°F (121°C)	Meets FAR 25.853 & FST / OSU requirements.
AX-6200	Toughened, High Clarity Epoxy Unidirectional Prepreg	Performance sporting goods, automotive parts & components	UD prepreg (2-side coated)	Clear or light black	250°F (121°C)	250°F (121°C)	General purpose
AX-6201XL	Toughened Epoxy Unidirectional Prepreg Extra-long Outlife	High strength laminates requiring good structural properties and/or high clarity	UD prepreg (2-side coated)	Clear or light black	Variable	250°F (121°C)	Flame Retardant (XL/FR) variant available.
AX-6270	Structural Epoxy Unidirectional Prepreg	Structural composite components	UD prepreg (2-side coated)	Cream	300°F (149°C)	350°F (177°C)	Color variations available. Flame retardance available.

All data is provided for informational purposes only and does not guarantee or warranty a specification for which Axiom Materials assumes legal responsibility. Users should perform verification and testing to determine suitability for their specific process and curing conditions. Refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only.

PRODUCT SUPPORT

AXIOM MATERIALS, Inc.
2320 Pullman St.
Santa Ana, CA 92705

PHONE (949) 623-4400
EMAIL Support@AxiomMaterials.com
WEBSITE www.AxiomMaterials.com
FAX (949) 261-6009

Product	Description	Applications	Form	Matrix Color	Max. Dry Operating Temp, °F (°C)	Comments
AX-7800-610	Water-based Ceramic Matrix Composite (CMC) Prepreg, High-strength	Aircraft engine components, ducting, oil & gas tubing, advanced energy, motorsports	Woven prepreg	White on white	1800°F (982°C)	Structural applications, solvent-free ceramic matrix
AX-7810-610	Solvent-based Ceramic Matrix Composite (CMC) Prepreg, High-strength	Aircraft engine components, ducting, oil & gas tubing, advanced energy, motorsports	Woven prepreg	White on white	1800°F (982°C)	Structural applications
AX-7810UD	Solvent-based Ceramic Matrix Composite (CMC) Unidirectional Prepreg	Advanced Fiber Placement & Automated Tape Laying	Unidirectional Prepreg, AFP Tape	White on white	1800°F (982°C)	Structural applications
AX-7820-610	100% Aluminum Oxide Water-based Ceramic Matrix Composite (CMC) Prepreg, High-strength	Aircraft engine components, ducting, oil & gas tubing, advanced energy, motorsports	Woven prepreg	White on white	1800°F (982°C)	Structural applications, solvent-free ceramic matrix
AX-7900-720	Solvent-based Ceramic Matrix Composite (CMC) Prepreg, Low Creep / High Temperature	Aircraft engine components, ducting, oil & gas tubing, advanced energy, motorsports	Woven prepreg	White on white	2000°F (1090°C)	Improved Creep resistance, higher temperature applications
AX-7900UD	Solvent-based Ceramic Matrix Composite (CMC) Unidirectional Prepreg	Advanced Fiber Placement & Automated Tape Laying	Unidirectional Prepreg, AFP Tape	White on white	2000°F (1090°C)	Improved Creep resistance, higher temperature applications
AX-7900-312	Solvent-based Ceramic Matrix Composite (CMC) Prepreg	Thermal/fire barriers, exhaust components, refractory, furnace hardware, insulation, radomes	Woven prepreg	White on white	1562°F (850°C)	Low dielectric material

All data is provided for informational purposes only and does not guarantee or warranty a specification for which Axiom Materials assumes legal responsibility. Users should perform verification and testing to determine suitability for their specific process and curing conditions. Refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only.

PRODUCT SUPPORT

AXIOM MATERIALS, Inc.
 2320 Pullman St.
 Santa Ana, CA 92705

PHONE (949) 623-4400
 EMAIL Support@AxiomMaterials.com
 WEBSITE www.AxiomMaterials.com
 FAX (949) 261-6009

Product	Description	Applications	Form	Matrix Color	Max. Dry Operating Temp, °F (°C)	Comments
CerFace™ AX-8900	Solvent-based Ceramic Matrix Composite (CMC) Surfacing Film	Aircraft engine components, ducting, oil & gas tubing, advanced energy, motorsports	24" Wide Supported Film	White	2000°F (1090°C)	Improved surface finish, localized impact protection, co-cures with ox-ox solvent-based prepreg
AX-8900-BMC	Ox-Ox Ceramic Matrix Composite (CMC) Bulk Molding Compound	Radomes, Engine Volutes, Crucibles, Nozzles, Joints	Molding Compound	Grey	2000°F (1090°C)	Improved manufacture flexibility over pre-impregnated fabric

All data is provided for informational purposes only and does not guarantee or warranty a specification for which Axiom Materials assumes legal responsibility. Users should perform verification and testing to determine suitability for their specific process and curing conditions. Refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only.

PRODUCT SUPPORT

AXIOM MATERIALS, Inc.
2320 Pullman St.
Santa Ana, CA 92705

PHONE (949) 623-4400
EMAIL Support@AxiomMaterials.com
WEBSITE www.AxiomMaterials.com
FAX (949) 261-6009

Rev Q, 2/3/23