

Product	Description	Applications	Form	Matrix Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
<b>AX-7605-312</b>	Modified Silica Ceramic Prepreg	High service temp laminates for motorsports and heat shields for automotive applications	Woven or UD prepreg	White on white	350°F (177°C)	1475°F (802°C)	For autoclave or pressing processes. Low tack.
<b>AX-7800-610</b>	Oxide Oxide Ceramic Composite Prepreg, High-strength	Aircraft engine components, ducting, oil & gas tubing, advanced energy, motorsports	Woven or UD prepreg	White on white	350°F (177°C) initial, 2000°F freestanding fire	1800°F (982°C)	Structural applications
<b>AX-7900-720</b>	Oxide Oxide Ceramic Composite Prepreg, Low Creep / High Temperature	Aircraft engine components, ducting, oil & gas tubing, advanced energy, motorsports	Woven or UD prepreg	White on white	350°F (177°C) initial, 2000°F freestanding fire	2000°F (1093°C)	Low creep & higher temperature applications

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 Material Safety Data Sheet (MSDS) 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	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
<b>AX-3100</b>	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.
<b>AX-3110</b>	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.
<b>AX-3112T</b>	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.
<b>AX-3170</b>	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
<b>AX-3180</b>	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.
<b>AX-3201</b>	Toughened Epoxy Fiberglass Laminating Prepreg	High strength laminates requiring good structural properties and/or high clarity	Woven Prepreg (1 or 2-side coated)	White on white	Variable	250°F (121°C)	Flame Retardant (FR), Snap Cure (S), and Extended Life (EL) grades available.
<b>AX-3206</b>	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.
<b>AX-3210</b>	Flame Retardant, Modified Vinyl Ester Fiberglass Prepreg	General purpose laminates	Woven Prepreg (1 or 2-side coated)	Off-white on white	275°F (135°C)	300°F (149°C)	Styrene-free. Room temp storage.
<b>AX-3220</b>	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.
<b>AX-3230</b>	Flame Retardant, Modified Polyester Fiberglass Prepreg	General purpose laminates	Woven Prepreg (1 or 2-side coated)	Light pink on white	275°F (135°C)	300°F (149°C)	Styrene-free. Room temp storage.
<b>AX-3260EL</b>	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
<b>AX-3270</b>	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.
<b>AX-3300</b>	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
<b>AX-3500</b>	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.
<b>AX-3605</b>	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.
<b>AX-3611</b>	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

Product	Description	Applications	Form	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
<b>AX-4110</b>	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
<b>AX-4112T</b>	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
<b>AX-4151</b>	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
<b>AX-4180</b>	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
<b>AX-4201</b>	Toughened Epoxy Aramid Laminating Prepreg	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 (FR), Snap Cure (S), and Extended Life (EL) grades available
<b>AX-4210</b>	Flame Retardant, Modified Vinyl Ester Aramid Prepreg	General purpose laminates	Woven Prepreg (1 or 2-side coated)	Off-white on yellow	275°F (135°C)	300°F (149°C)	Styrene-free. Room temp storage.
<b>AX-4220</b>	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.
<b>AX-4230</b>	Flame Retardant, Modified Vinyl Ester Aramid Prepreg	General purpose laminates	Woven Prepreg (1 or 2-side coated)	Pink on yellow	275°F (135°C)	300°F (149°C)	Styrene-free. Room temp storage.
<b>AX-4270</b>	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.
<b>AX-4300</b>	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
<b>AX-4500</b>	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 Material Safety Data Sheet (MSDS) 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
<b>AX-5112T</b>	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.
<b>AX-5170</b>	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
<b>AX-5180</b>	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.
<b>AX-5201</b>	Toughened Epoxy Carbon Laminating Prepreg	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 (FR), Snap Cure (S), and Extended Life (EL) grades available
<b>AX-5202HT</b>	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
<b>AX-5204</b>	Epoxy Carbon Laminating Prepreg for High-clarity	Variable temperature cure prepreg for UV resistant cosmetic laminates	Woven Prepreg (1 or 2-side coated)	Light black on black	Variable	250°F (121°C)	Used extensively in automotive applications
<b>AX-5205</b>	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)
<b>AX-5206</b>	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
<b>AX-5209</b>	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
<b>AX-5220</b>	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.
<b>AX-5260EL</b>	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
<b>AX-5270</b>	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.
<b>AX-5300</b>	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
<b>AX-5500</b>	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.
<b>AX-5605</b>	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.
<b>AX-5611</b>	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
<b>AX-6111</b>	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.
<b>AX-6180</b>	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.
<b>AX-6200</b>	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
<b>AX-6201</b>	Toughened Epoxy Unidirectional Prepreg	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 (FR), Snap Cure (S), and Extended Life (EL) grades available.
<b>AX-6206</b>	Toughened Epoxy Unidirectional Prepreg	High toughness laminates for prosthetics and race car industry	UD prepreg (2-side coated)	White or light black	Variable	250°F (121°C)	More toughened than AX-6201 series
<b>AX-6270</b>	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 Material Safety Data Sheet (MSDS) 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	Color	Nominal Cure Temp, °F (°C)	Max. Dry Operating Temp, °F (°C)	Comments
<b>AX-2114</b>	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.
<b>AX-2115</b>	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.
<b>AX-2116</b>	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.
<b>AX-2121</b>	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.
<b>AX-2130</b>	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.
<b>AX-2140</b>	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.
<b>AX-2150</b>	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.
<b>AX-2151</b>	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.
<b>AX-2190</b>	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.
<b>AX-2700</b>	Foaming Epoxy Core Sheet	Low density foaming core material for composite components	Low density sheets	Blue	250°F (121°C) or 350°F (177°C)	300°F (149°C)	Used widely in auto racing & sporting goods applications

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 Material Safety Data Sheet (MSDS) 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
<b>AX-1000</b>	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
<b>AX-1001</b>	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
<b>AX-1010</b>	Structural Epoxy Paste Adhesive	General purpose bonding of metallic or composite components	2-component paste adhesive	Off-white	Room Temp.	160°F (71°C)	Meets FAR 25.853
<b>AX-1014</b>	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
<b>AX-1033FR</b>	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
<b>AX-1230FR</b>	Flame Retardant, Modified Polyester Resin Solution	Wet-layup resin or for sealing voids of finished composites	1-component resin	Clear to Off-white	275°F (135°C)	300°F (149°C)	Styrene-free
<b>AX-1300</b>	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
<b>AX-1610</b>	Polyimide Sealing Resin, contains MDA	Sealing and finishing of polyimide composites	1-component resin	Amber or Black	350°F (177°C)	640°F (338°C)	Can be dyed black
<b>AX-1611</b>	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 Material Safety Data Sheet (MSDS) and label for safe use and handling instructions. This product is for industrial/commercial use and must be applied by trained personnel only. Revised 2/19/2018

## PRODUCT SUPPORT

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

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