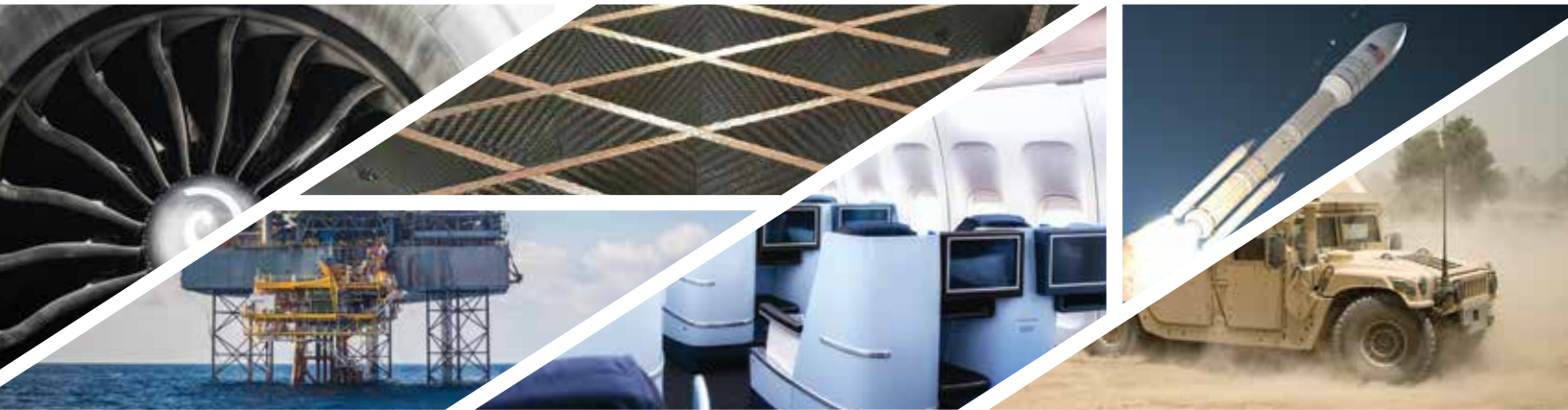




Barrday is a leading advanced material provider for the composite and protective markets. For over 60 years, we have developed technologically advanced fiber reinforcements and prepregs for customers in the aerospace, defense, energy, industrial and protective markets.



	END-MARKET APPLICATIONS	AVAILABLE FORMATS		REINFORCEMENT	PROCESSING TEMP °F (°C)	BENEFITS
		FABRIC	UD			
ENGINEERED THERMOPLASTICS						
TU/TF100 (PPS)	Structures Aircraft Interiors Industrial	✓	✓	E-Glass Fabric Carbon Fabric UD: HS/SM Carbon Fiber [145 - 300gsm] IM Carbon Fiber [145 - 300gsm] S2 Glass Fiber [145 - 300gsm]	575 – 625 (300 – 325)	High temperature semi-crystalline polymer with low moisture absorption and excellent chemical/solvent resistance. Very good FST properties. Tg of 200° F (95° C)
TU/TF200 (PEEK)	Structures Oil & Gas Industrial	✓	✓		675 – 725 (360 – 385)	Very high temperature semi-crystalline polymer with good combination of toughness,chemical solvent resistance, low moisture absorption, and FST properties. Tg of 289° F (143° C)
TU/TF202 (LMPAEK™)		✓	✓		644 – 725 (340 – 385)	Benefits of PEEK polymer with larger processing window.
TU/TF300 (PEKK)		✓	✓		650 – 700 (340 – 370)	Very high temperature semi-crystalline polymer with good combination of toughness, chemical solvent resistance, low moisture absorption, and FST properties. Tg of 319° F (159° C)
TU/TF400 (PEI)		Aircraft Interiors Structures	✓		✓	625 – 675 (330 – 360)
TU700/800 (PA11/12)	Oil & Gas Industrial	✓	✓		375 – 425 (190 – 220)	Low temperature tough polymers with excellent chemical and solvent resistance.
TU1100 (PVDF)			✓		350 – 400 (175 – 200)	Semi-crystalline polymer with good combination of strength, toughness, chemical and solvent resistance.
BMX250 (UHMWPE)	Armor Radomes		✓		230 – 240 (110 – 116)	BarrMax™ Tape offers ballistic properties that rival fiber-based UHMWPE materials but with superior structural properties and processing flexibility. Good dielectric properties.

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		FABRIC	UD			
ABLATIVE MATERIALS						
LR1406™ X-085™	Thermal Protection	✓		Stretch Broken Carbon Fabric	325 (160)	Low fired stretch broken and spun carbon. Improved erosion resistance for solid rocket motors. Rayon replacement. Offered as a full width broadgood and bias slit tape.
	Rocket Nozzles	✓		Graphite Fabric	325 (160)	Graphite fabric coated with carbon-filled PSR133 resin
	Space Launch	✓		Silica Fabric	325 (160)	Silica fabric coated with silica-filled PSR133 resin
EPOXY SYSTEMS						
EPM301	Industrial Armor UAV	✓		Carbon Fabric	250 (121)	Toughened, fire retardant epoxy prepreg system. Suitable for high impact applications. Cures <20 min under press.
EPM502	Aircraft Interiors	✓	✓	E-Glass Fabric S2 Glass Fabric Carbon Fabric	235 - 275 (115 - 135)	Toughened epoxy prepreg system suitable for autoclave, press or bag molding operations. Fire retardant per FAR 25.833
EPM503		✓	✓	UD: HS/SM Carbon S2 Glass	300 (150)	Toughened, low heat release epoxy prepreg system. Self-adhesive to honeycomb. Excellent surface finish. Cures in <20 min under press. REACH compliant.
EPM511			✓	HS/SM Carbon S2 Glass E-Glass	275 (135)	Toughened epoxy prepreg system designed for aircraft floor panel applications. Fire retardant per FAR 25.833. Tg of 284°F (140°C)
EPH350	Structures	✓		Aramid Fabric E-Glass Fabric	275 - 355 (135-180)	High temperature curing, fire retardant epoxy per FAR 25.833. Excellent combination of toughness and high Tg of 300°F (150° C).
EPH701		✓	✓	Carbon Fabric UD: HS/SM Carbon	355 - 420 (180 - 215)	Toughened epoxy prepreg system designed for aerospace structural applications. High temperature resistance and mechanical strength, including hot-wet properties. Tg of 465°F (240°C)
PHENOLIC SYSTEMS						
LC194	Aircraft Interiors	✓		E-Glass Fabric S2 Glass Fabric Carbon Fabric Aramid Fabric UD: HS/SM Carbon S2 Glass	235 – 250 (115 – 120)	Highly self-adhesive to aramid honeycomb. Meets flammability requirements for use in aircraft interiors.
LC196		✓			265 (130)	Snap cure prepreg. Self-adhesive to honeycomb. Meets flammability requirements for use in aircraft interiors. Excellent surface finish.
LC294		✓			250 – 275 (120 – 135)	Suitable for press and bag molding. Self-adhesive to aramid honeycomb with extremely low heat release rates. (Sub 30/30 OSU)
LC296		✓			265 – 275 (130 – 135)	Snap cure prepreg. Very good adhesion and extremely low heat release rates. (Sub 30/30 OSU)
PH4101	Structures	✓			350 (175)	Designed for use in high temperature aerospace applications including ducting, engine components and heat shields. Tg of 310° F (155° C)
PSR133G	Carbon/Carbon	✓			300 – 325 (150 – 160)	Exceptional char yield for carbon carbon applications and does not exhibit macro cracking in high modulus composite structures. Conforms to MIL-R-9299C, Grade B.

