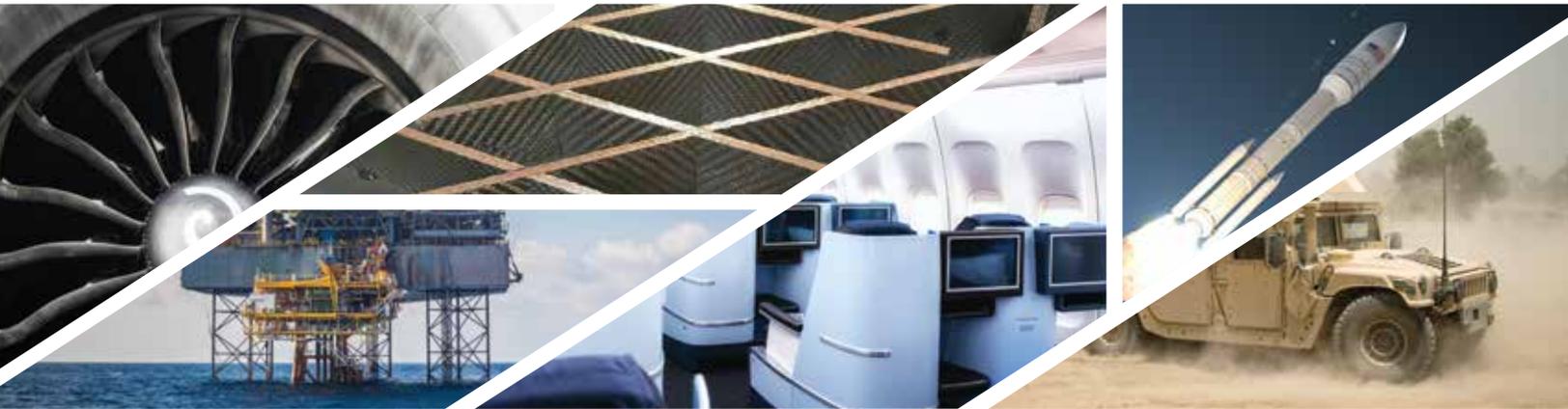




**Barrday is a leading advanced material provider for the composite and protective markets.** For over 60 years, we have developed technologically advanced fiber reinforcements and prepregs for customers in the aerospace, defense, energy, industrial and protective markets.



	END-MARKET APPLICATIONS	AVAILABLE FORMATS		REINFORCEMENT	PROCESSING TEMP °F (°C)	BENEFITS
		FABRIC	UD			
<b>ENGINEERED THERMOPLASTICS</b>						
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)		✓	✓		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™)	Structures Oil & Gas Industrial	✓	✓		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)	High temperature tough amorphous polymer with excellent FST properties.
TU700/800 (PA11/12)		✓	✓		375 – 425 (190 – 220)	Low temperature tough polymers with excellent chemical and solvent resistance.
TU1100 (PVDF)	Oil & Gas Industrial		✓		350 – 400 (175 – 200)	Semi-crystalline polymer with good combination of strength, toughness, chemical and solvent resistance.
BMX200 (UHMWPE)	Armor Radomes		✓		275 (135)	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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	END-MARKET APPLICATIONS	AVAILABLE FORMATS		REINFORCEMENT	PROCESSING TEMP °F (°C)	BENEFITS
		FABRIC	UD			
<b>ABLATIVE MATERIALS</b>						
LR1406 <sup>®</sup> H X-085 <sup>®</sup>	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.
LR1750	Rocket Nozzles	✓		Graphite Fabric	325 (160)	Graphite fabric coated with carbon-filled PSR133 resin
LR1504	Space Launch	✓		Silica Fabric	325 (160)	Silica fabric coated with silica-filled PSR133 resin
<b>EPOXY SYSTEMS</b>						
EPM301	Industrial Armor	✓		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 EPM504		✓	✓	UD: HS/SM Carbon S2 Glass	300 (150)	Toughened, low heat release epoxy prepreg system (Sub 40/40 OSU). Self-adhesive to honeycomb. Excellent surface finish. Cures in <20 min under press. REACH compliant. EPM504 is a modified version for both press and bag molding.
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)
<b>PHENOLIC SYSTEMS</b>						
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)
PSR133	Carbon/Carbon Armor	✓	✓		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.

