



Barrday is a leading advanced material solutions company.

Our product lines encompass applications for the composite and protective markets. Our success is based on developing technologically advanced fiber reinforcement, prepreg and other material solutions for our customers in the aerospace, defense, industrial, energy and protective markets. Barrday has a manufacturing and sales presence in North America and Europe.



At Barrday, we are committed to applying our array of advanced composite materials, process technologies and creative energy to provide our customers with products and services of consistently high quality and value. We have developed expertise and performance differentiation in the following areas:

- Woven reinforcements
- Thermoplastic tapes and semi-prepreg
- Thermoset prepreg systems

Barrday's objective is to provide quality advanced material solutions that meets customers expectations through continuous improvement of our compliant management system. Our Business Management System supports this policy and complies with ISO 9001:2015 as well as customer-specific standards and relevant statutory and regulatory requirements. Our Millbury facility is also AS9100D certified. In addition, we are ITAR compliant. These products will be produced in a safe and environmentally friendly facility that has concern for our customers, employees and the community.

Composite Sales:
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Protective Sales:
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+1 (800) 667-3725

Facilities:
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Millbury MA USA 01527

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	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/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.
TU/TF400 (PEI)	Aircraft Interiors Structures	✓	✓		625 – 675 (330 – 360)	High temperature tough amorphous polymer with excellent FST properties.
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.

EPOXY SYSTEMS						
EPM502	Aircraft Interiors Industrial	✓	✓	E Glass Fabric S2 Glass Fabric Carbon Fabric UD: HS/SM Carbon S2 Glass	235 – 275 (115 – 135)	Toughened epoxy prepreg system suitable for autoclave, press or bag molding operations. Fire retardant per FAR 25.833 Tg of 300° F (150° C)
EPM503-1		✓	✓		260 – 280 (125 – 140)	Toughened, low heat release epoxy prepreg system (Sub 30/30 OSU). Self-adhesive to honeycomb. Excellent surface finish. EPM503-1 is offered as a press grade system. REACH compliant.
EPM505		✓	✓		260 – 280 (125 – 140)	Toughened, low heat release epoxy prepreg system (Sub 40/40 OSU). Self-adhesive to honeycomb. Excellent surface finish. EPM505 is designed for bag molding. REACH compliant.
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)

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)
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.

*Contact us for information regarding our ablative prepreg materials