TeXtreme®

Spread Tow Thin-Ply Fabrics for Ultra-Light Composites

textreme.com

Content

About TeXtreme® 4
Why work with TeXtreme® 6

Sport 8

TeXtreme® 0/90 Woven Spread Tow Hybrid Fabric 10
TeXtreme® Colored 12
TeXtreme® 360° 14
TeXtreme® 0/90 Woven Spread Tow Carbon Fabrics 15
TeXtreme® Spread Tow Fabrics Bio-based Flax 16
TeXtreme® Grid Material 17

Aerospace 18

TeXtreme® +/-45 Woven Spread Tow Carbon Fabrics 20

Industrial 22

TeXtreme® Spread Tow UD tapes 24
TeXtreme® Spread Tow Gapped UD 25
TeXtreme® UD Tapes for AFP 26
TeXtreme® 0/90 Woven Spread Tow Reactive Binder 27

Tablets 28

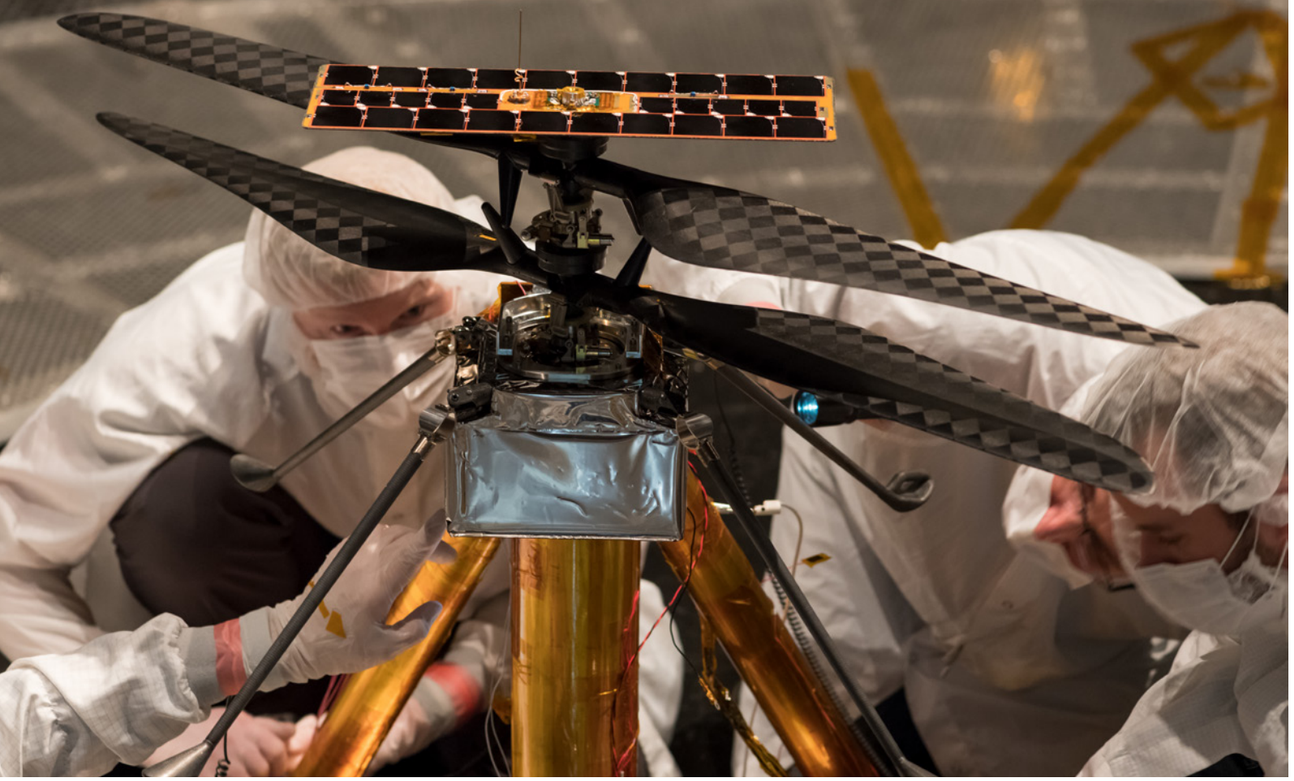


Image: NASA's Mars drone, Ingenuity

About TeXtreme®

TeXtreme® develops and manufactures spread tow Thin-Ply Carbon Fiber reinforcements that enable our customers to create Ultra-Light and Ultra-Thin products.

TeXtreme® technology combines ultra-light construction with superior mechanical properties and surface smoothness, resulting in composite products that are both lightweight and exceptionally strong. Our proprietary reinforcement technology is based on two key principles: thin-ply and Spread Tow.

TeXtreme® Thin-Ply for Lightweight Durability

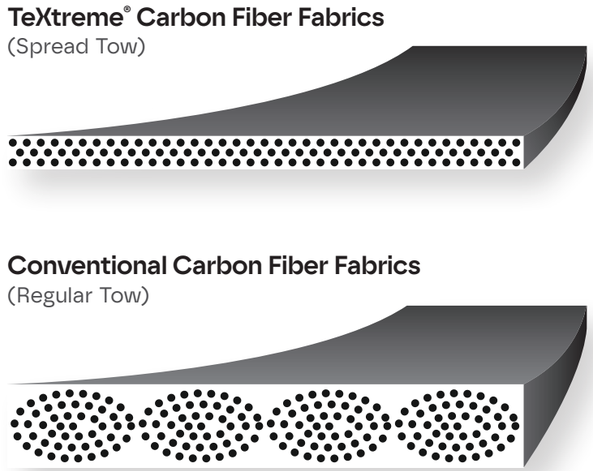
By using thin plies that are less than 0.05 mm per layer, TeXtreme® Technology can suppress or delay crack initiation in loaded composite structures, allowing for the creation of lighter, stiffer, and more durable composite products. Thin plies also provide the freedom to optimize your reinforcement design while simultaneously reducing weight and laminate thickness.

TeXtreme® Thin-Ply Technology for Enhanced Strength

TeXtreme® Spread Tow technology enables us to produce thin plies using fibers with the best possible properties, resulting in increased mechanical performance. We utilize a +/-45 and 0/90 weaving technique that allows for the production of fully symmetrical thin plies in one layer, leading to layup and weight savings.

Furthermore, TeXtreme® Spread tow technology allows for the production and supply of seamless thin plies with fibers in +/-45 or 0/90 orientations, generating further layup and material savings and increased mechanical performance.

TeXtreme® Spread Tow Thin-Ply Technology.



TeXtreme® Spread Tow Thin-Ply Technology.

1 **The Spread Tow structure makes it possible to achieve thinner laminates.**

2 **Straighter fibers with reduced crimp optimize and strenghthen the composite.**

3 **Lower crimp reduce the amount of excess plastic, thereby minimizing weight.**

TeXtreme® Quality

Committed to excellence. Every product undergoes comprehensive testing to ensure complience to an extensive range of internationally recognized safety standards, including AS9100 certification, which meets ISO 9001 requirements.

Safety and Quality Always Come First

Aspiring to set the standard in advanced composite solutions, quality is the foundation of every product and process. Customer satisfaction assessments, proactive follow-ups, and a deep understanding of requirements drive tailored solutions that enhance performance and ensure long-term reliability. The Oxeon APQP model further safeguards the safety and reliability of staff, processes, and products.

Why Work with TeXtreme®

TeXtreme® delivers ultra-light Spread Tow Thin-Ply reinforcements, reducing weight and material usage by at least 20% compared to conventional composites.

Decades of expertise have made TeXtreme® a leader in advanced composite solutions. Specializing in ultra-light Spread Tow Thin-Ply reinforcements, TeXtreme® enhances performance, efficiency, and durability while addressing challenges in cost, weight, and sustainability. A global network of experts collaborates closely with clients to develop tailored solutions that deliver reliable, long-lasting results.

A Variety of Product Offerings and Fiber Types

TeXtreme® offers extensive advanced composite materials in multiple formats, including UD tapes, woven fabrics, discontinuous fiber composites, gapped fabrics for infusion, and open grid fabrics. To meet diverse performance requirements, fiber options include high-strength, intermediate modulus, and high modulus carbon from leading suppliers, as well as aramids, bio-based flax, PBO, and Innegra. Hybrid solutions enable the combination of multiple fiber types, enhancing design flexibility and optimizing performance.

Wide Range of Weight Options

UD tapes starting from 21 gsm and fabrics ranging from 42 gsm up to the highest available weights on the market offer exceptional flexibility. Every project has unique demands, which is why customized solutions are rapidly developed to meet exact performance specifications with precision and efficiency.

TeXtreme® Fabrics for a Sustainable Environment

TeXtreme® is designed to reduce material consumption, supporting more efficient and responsible use of resources. Integrating bio-based textiles and circular processes, continuous efforts minimize environmental impact while maintaining high-performance standards. A strong commitment to innovation and collaboration ensures TeXtreme® solutions align with both performance and sustainability objectives.

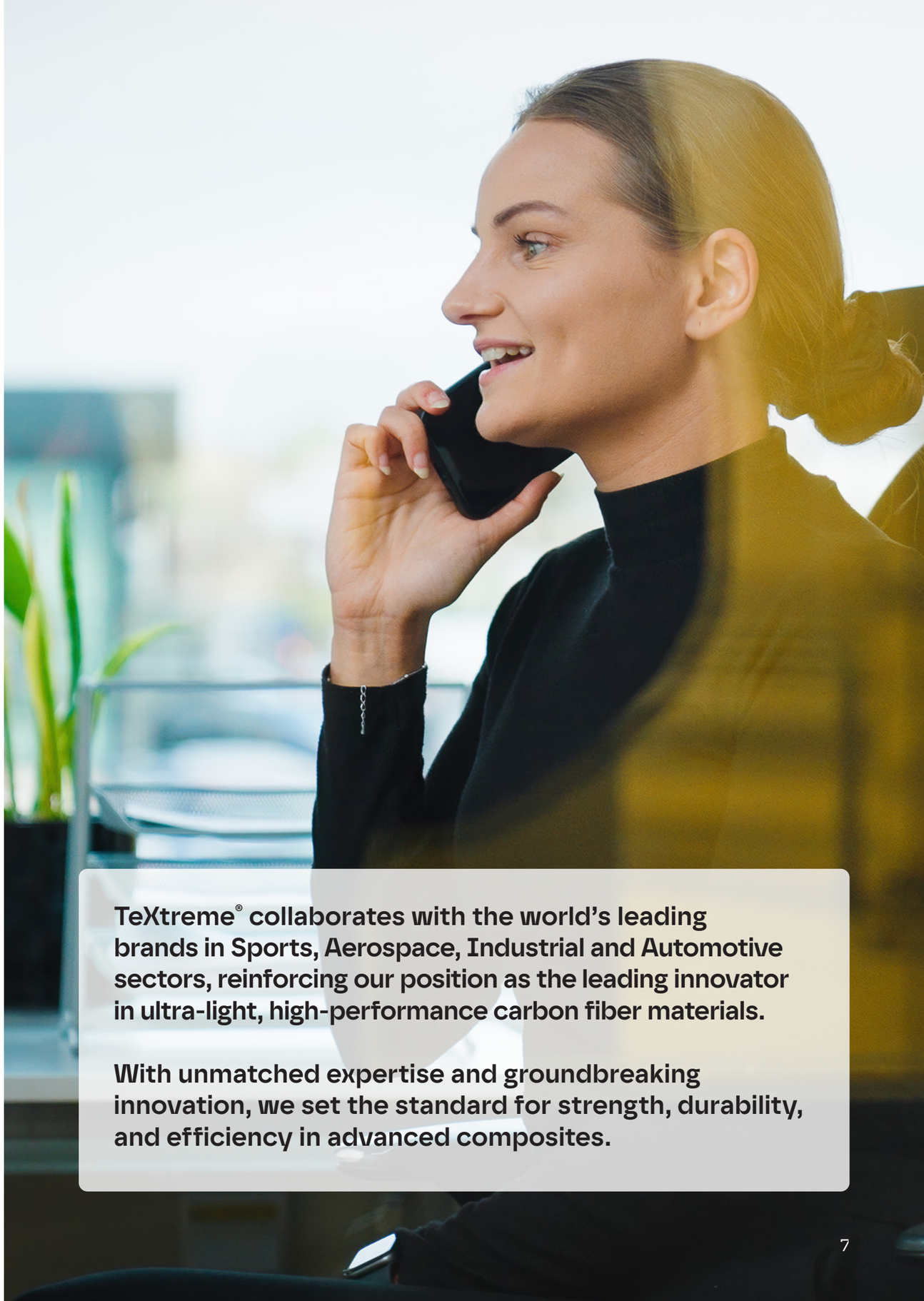
TeXtreme® +/- 45 Woven Spread Tow Fabrics

TeXtreme®'s unique +/- 45-degree weaving technology delivers exceptional torsional stiffness and significant weight savings, making it an ideal choice for demanding applications. Designed to enhance performance and durability while minimizing material waste, this advanced material meets the highest standards in strength and efficiency.

Perfectly suited for industries that prioritize lightweight solutions without compromising structural integrity, TeXtreme®'s +/- 45 technology offers a competitive advantage in high-performance applications.

Segment Range

Advanced composite materials are engineered to meet the distinct performance, weight, and durability requirements of the sports, aerospace, and industrial sectors. With a strong focus on innovation and efficiency, these solutions enhance strength, reduce weight, and optimize material use across a wide range of applications.



TeXtreme® collaborates with the world's leading brands in Sports, Aerospace, Industrial and Automotive sectors, reinforcing our position as the leading innovator in ultra-light, high-performance carbon fiber materials.

With unmatched expertise and groundbreaking innovation, we set the standard for strength, durability, and efficiency in advanced composites.

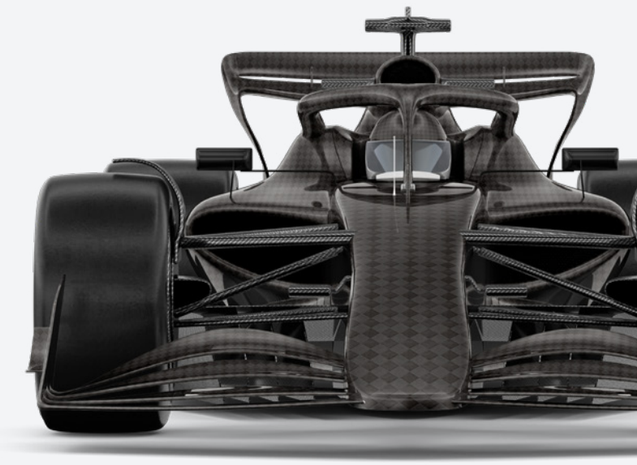
Sport
Hockey
Racket Sports
Water Sports
Outdoor
Ski/Snowboard
Marine Racing
Motor Racing
Helmets

Sport

TeXtreme® technology delivers lightweight, high-performance materials engineered to enhance strength, control, and power, giving athletes and teams a competitive edge.

Designed for a wide range of sports applications, these ultra-light reinforcements minimize weight while improving impact resistance, durability, and precision. The unique Spread Tow carbon fiber structure ensures maximum efficiency, allowing athletes to perform at the highest level.

Each solution is tailored to optimize functionality and long-term reliability. From enhancing agility in racket sports to increasing endurance in motor racing, TeXtreme® is a trusted choice for leading brands worldwide.



TeXtreme® 0/90
Hybrid

Other fabrics, weights and widths available upon request.*

TeXtreme® 0/90 Woven Spread Tow Hybrid Fabrics

Stiffness from carbon fibers and toughness from ductile fibers achieved with minimal weight penalty.

TeXtreme® hybrid fabrics combine multiple fiber types to create reinforcements designed for applications requiring both strength and durability. Available in various configurations, these materials optimize mechanical performance by balancing impact resistance and vibration dampening. Developed for demanding environments, they maintain structural integrity while minimizing weight.

Benefits
Engineered for impact resistance, these fabrics reduce the risk of complete laminate failure while providing exceptional vibration dampening. The result is a high-performance composite solution that enhances durability, ensures structural stability, and extends component lifespan.

Weights from
100 gsm

Hybridisation Fiber
PP, PBO, Aramides & UHMWPE

Fabric Width
Up to 2000 mm

*Applies to all our fabrics

TeXtreme® Colored

Color integration in composite materials creates new opportunities for design and branding, delivering a distinctive and refined appearance.


Asprey
Pantone 2090c


Bolt
Pantone 7765c


Chapel
Pantone 282c


Copper
Pantone 725c


Enzo
Pantone 711c


Jet Black
Pantone 6c


Malabar
Pantone 144c


Margaux
Pantone 262c


Michelangelo
Pantone 2427c

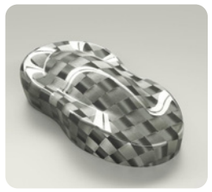

Oak
Pantone 490c


Prost
Pantone 288c


Spa
Pantone 7725c


Suzuka
Pantone 218c


Tendulkar
Pantone 3005c


Titanium
Pantone 877c


Yaz
Pantone 627c


Zlatan
Pantone 102c


Zandvoort
Pantone 165c


Moss
Pantone 355c


Zidane
Pantone 655c

In collaboration with Hypetex®, TeXtreme® offers a wide range of colored fabrics, enabling the customization of Spread Tow reinforcements for a distinctive, high-end aesthetic. This innovation enhances design possibilities while maintaining the advanced performance characteristics of the material.

Benefits

TeXtreme® Colored fabrics eliminate the need for additional coloring processes, reducing material waste and avoiding unnecessary weight. Incorporating color directly into the composite achieves a lightweight design without compromising strength or durability.

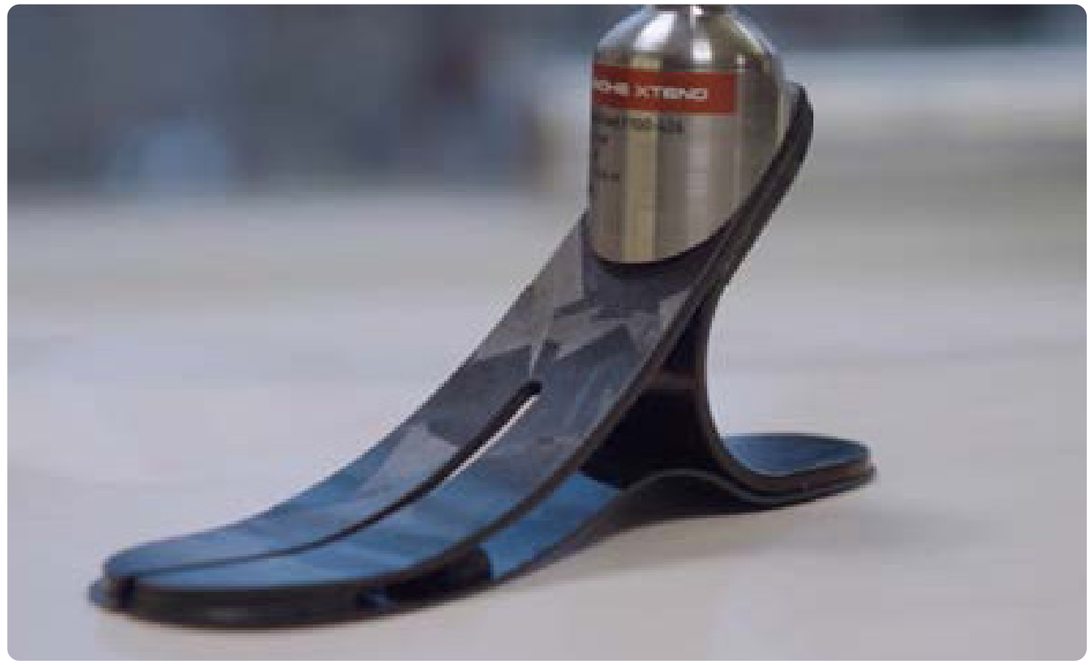


Image: TeXtreme® 360° on a Foot Prosthesis.

TeXtreme® 360°

Developed for high-performance applications, this advanced composite material enhances strength, expands design possibilities, and optimizes manufacturing efficiency.

TeXtreme® 360° redefines composite processing through its ultra-thin, randomly distributed Spread Tow Tape construction. This refined structure enables efficient part formation while increasing durability and structural integrity. The result is a lightweight solution that meets the highest standards for precision and performance.

Benefits

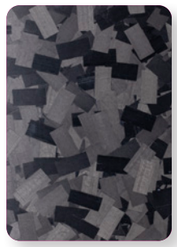
In-plane isotropy ensures uniform properties in all directions, optimizing laminate design. Exceptional flexibility allows seamless draping over complex geometries, while an ultra-thin profile, as low as 0.5 mm, contributes to high-strength, lightweight composites. Compatibility with various prepreg materials further enhances multi-material applications, maximizing efficiency and structural performance.

Weights
250-900 gsm

Carbon Fiber Type
HS, IM & HM

Reinforcement Type
Prepreg or Dry

Fabric Width
600 mm



TeXtreme® 360°

TeXtreme® 0/90 Woven Spread Tow Carbon Fabrics

Engineered for ultra-lightweight applications, TeXtreme® 0/90 fabrics combine strength, surface smoothness, and impact resistance to deliver superior performance.

Constructed from two Spread Tow UD tapes woven as warp and weft, this advanced material ensures optimal mechanical properties while maintaining minimal weight. Available in weights starting from 42 gsm and widths from 0.6 meters, it provides a refined balance of durability and structural integrity.

Benefits

Biaxial properties integrate the performance of cross-plies with the drapeability of woven fabrics, enabling optimized layups with fewer plies. This results in lighter, stronger components while streamlining production and reducing costs. The smooth surface enhances ductility and impact resistance, making it ideal for applications requiring both strength and durability.

Weights
250-900 gsm

Carbon Fiber Type
HS, IM & HM

Fabric Width
Up to 2000 mm

Image: Bauer Twitch

TeXtreme® 0/90

TeXtreme® Flax

Image: TeXtreme® Flax 0/90

TeXtreme® Spread Tow Fabrics Bio-based Flax

TeXtreme® Flax introduces a renewable reinforcement solution, combining natural materials with advanced composite technology for high-performance applications.

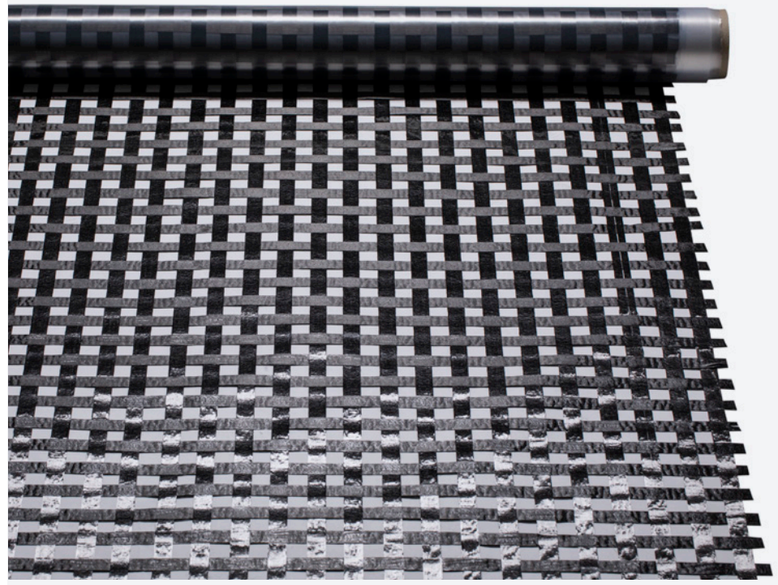
Designed in both 0/90 and +/- 45 orientations, these bio-based reinforcements support the transition to more sustainable composites while maintaining strength and durability.

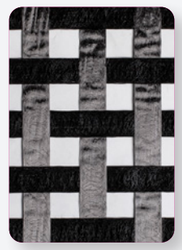
Benefits

TeXtreme® advanced weaving technology optimizes the mechanical performance of flax fiber reinforcements. Traditional flax fabrics rely on twisted yarns, whereas TeXtreme® Spread Tow construction maintains straighter fibers, increasing fiber volume fraction and enhancing structural integrity. This results in improved strength, impact resistance, and durability, achieving a balance between sustainability and high performance.

Weights from
200 gsm

Fiber
Flax





TeXtreme® Grid

Image: TeXtreme® Grid Material

TeXtreme® Grid Material

The solution when even the lightest materials are not light enough, combining strength and minimal weight with enhanced torsional stiffness and radio transparency.

TeXtreme® Grid is a bi-axial Spread Tow fabric featuring a lattice structure, engineered to increase torsional stiffness and enable radio transparency. Available in both 0/90 and +/-45 orientations, it provides enhanced design flexibility and performance benefits across various applications. Offered in prepreg or dry form, it is designed for both monolithic and sandwich skins, with weights starting from 20 gsm to meet diverse structural demands.

Benefits

The lattice structure enhances torsional stiffness while maintaining minimal weight, ensuring efficient signal transmission through radio transparency. Offering the same performance as traditional fabrics at half the weight, it is well-suited for ultra-lightweight face sheets and sandwich skins. Exceptional stability during handling and the ability to capture excess resin from adjacent plies optimize material usage. Its versatility makes it an ideal solution for applications demanding both strength and reduced weight.

Weights from
20 gsm

Fiber
HS, IM & HM

Aerospace
UAV
Air Mobility
Space
Commercial
Aircraft

Aerospace

Lightweight, high-performance composite materials from TeXtreme® enhance aerospace applications by reducing weight and improving mechanical properties.

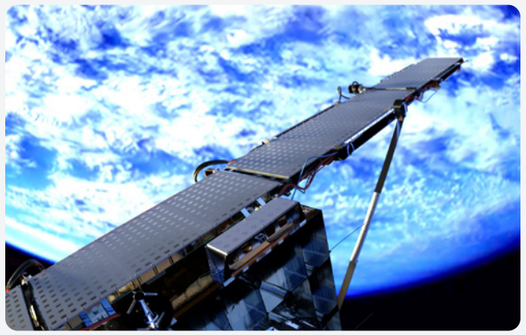


Image: An ICEYE render of the first SAR microsatellite

Spread Tow thin-ply reinforcements provide exceptional strength, impact resistance, and a refined surface finish, enabling the production of advanced aerospace components. More than 15 years of collaboration with aerospace companies, research institutes, and universities have contributed to expertise in fiber architecture optimization, ensuring maximum performance.

Widely used across four major aerospace sectors—UAVs, air mobility, space, and commercial aircraft—these materials drive innovation, enhance efficiency, and strengthen structural integrity in demanding applications.

UAV

Reducing weight while maintaining strength and stiffness is essential for UAVs. The Spread Tow technology improves flight efficiency, increases payload capacity, and enhances durability, delivering longer flight times, improved maneuverability, and reinforced structural performance.

Air Mobility

TeXtreme® Spread Tow reinforcements advance air mobility applications, including ultralight aircraft and eVTOL systems, by reducing crimp angles and ply thickness. This enhances mechanical properties such as stiffness and stability, which support structural integrity and aerodynamics, while fatigue resistance ensures long-term durability. Combined with significant weight savings, these benefits enable next-generation air transport solutions.

Space

For space applications, lightweight and durable materials improve mechanical performance, crack resistance, and weight efficiency even under cryogenic conditions. Flexible manufacturing options, including AFP and ATL, allow seamless integration into spacecraft and satellite components.

Commercial Aircraft

TeXtreme® Spread Tow technology strengthens key commercial aircraft components, such as fuselage and wings, by enhancing crack resistance and enabling lightweight designs that withstand extreme conditions, including cryogenic temperatures.

Image: NASA's Mars drone, Ingenuity

TeXtreme® +/-45 Woven Spread Tow Carbon Fabrics

Revolutionary +/- 45 fiber alignment enables the production of ultralight composites with exceptional twist resistance, reduced material waste, and increased manufacturing efficiency.

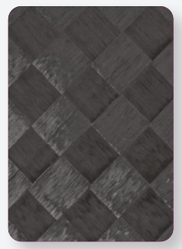
TeXtreme®'s proprietary +/- 45 weaving technology produces continuous-length Spread Tow fabrics with fibers oriented at a precise +/- 45 degrees. This fiber alignment is ideal for applications such as wing skins and spars, where enhanced torsional stiffness is essential. The optimized fiber orientation ensures structural integrity while minimizing material waste and production time.

Benefits:
TeXtreme® +/- 45 Carbon provides outstanding torsional stiffness for components exposed to rotational forces. Its advanced design reduces production time, eliminates splicing risks, and minimizes scrap—resulting in lightweight, high-performance parts with superior mechanical strength, impact resistance, and torsional rigidity, making it a trusted choice for critical structural applications.

Weights from
50 gsm

Carbon Fiber Type
HS, IM & HM

Fabric Width
1000 & 1270 mm



TeXtreme® +/-45

Other fabrics, weights and widths available upon request.*

Image: Unmanned Aerial Vehicle (UAV)

*Applies to all our fabrics

Image: Unmanned Aerial Vehicle (UAV)

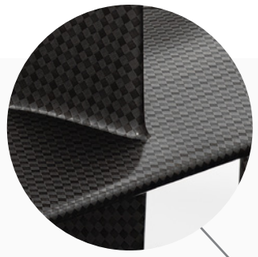


Image: NASA's Mars drone, Ingenuity

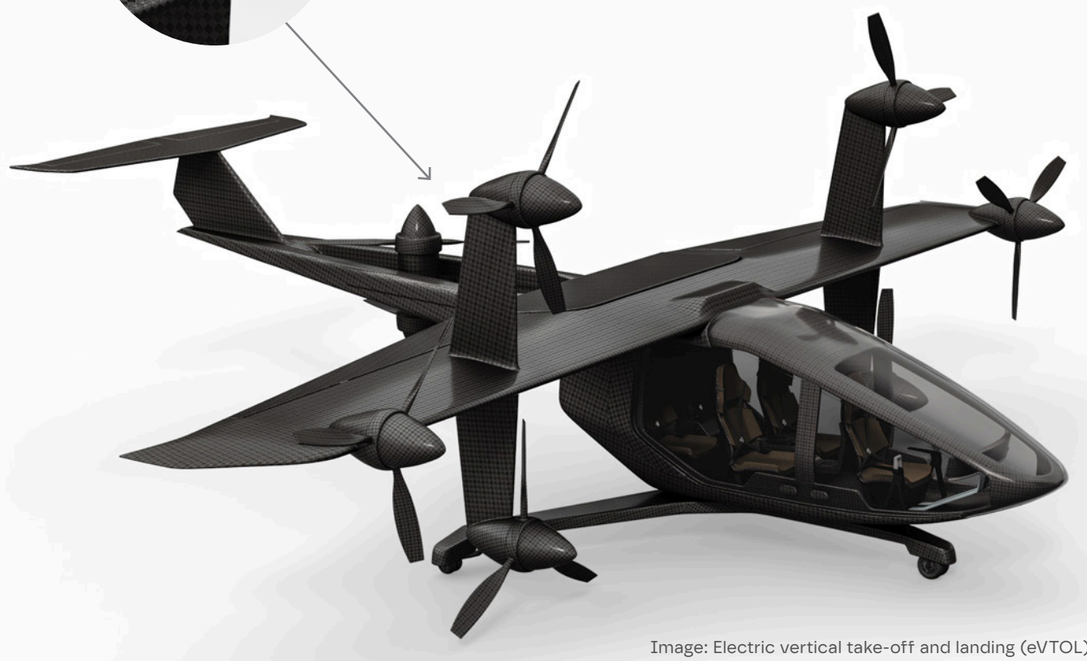


Image: Electric vertical take-off and landing (eVTOL)

Industrial
Automotive
Marine
Wind energy
Relining
Cryo tanks
Electronics

Industrial

TeXtreme® composite materials optimize industrial applications by reducing weight, increasing strength, and enhancing durability to meet the highest performance standards.

Engineered for industries such as automotive, marine, energy, consumer electronics, and wind energy, these advanced reinforcements provide superior mechanical properties, including increased tensile strength, impact resistance, and stiffness. The innovative Spread Tow technology enables significant weight reduction while maintaining structural integrity, ensuring long-term reliability in demanding environments.

The technology's flexibility and tow-size independence allow for precisely tailored reinforcement solutions, optimizing efficiency and material usage. Incorporating TeXtreme® into industrial applications results in products that are not only more lightweight and durable but also designed for maximum performance and sustainability in a competitive market.

TeXtreme® Spread Tow UD tapes*

Optimized reinforcement with ultra-thin, lightweight design for high-performance applications.

Spread Tow UD tapes are created by spreading fiber tows into thin, flat tapes of adjustable width. This advanced technology allows precise control over fiber alignment and distribution, optimizing mechanical performance while maintaining minimal weight. The process accommodates various carbon and high-performance fibers, ensuring tailored solutions for a wide range of applications.

Benefits

These tapes enhance local stiffness and deliver optimized reinforcement, improving structural integrity while minimizing weight. Ultra-lightweight and thin-ply capabilities enable the design of thinner, more efficient laminates, ensuring strength and durability while reducing material usage. The flexibility to incorporate various fiber types and configurations provides versatile reinforcement solutions for demanding applications.

Weights from
32 gsm

Carbon Fiber Type
HS, IM & HM

Fabric Width
10-50 mm

TeXtreme® Spread Tow Gapped UD*

Gapped UD is a dry reinforcement material optimized for resin infusion processes, offering fast wet-out and high permeability while delivering the mechanical performance typically associated with UD prepreg.

Featuring a flat, unidirectional reinforcement with controlled gaps between the fiber tows, Gapped UD enhances resin flow and is ideal for out-of-autoclave processes. This design combines the strength and performance found in UD prepreg solutions.

Benefits

The unique gap structure ensures high permeability and rapid wet-out during resin infusion, while maintaining a fiber volume fraction exceeding 60%, resulting in superior mechanical properties. Particularly suitable for industries such as aerospace, marine, and industrial applications, Gapped UD provides a cost-effective out-of-autoclave solution without compromising on prepreg-like performance.

Weights from
250-900 gsm

Carbon Fiber Type
HS, IM & HM

Fabric Width
Up to 500 mm

* Other fabrics, weights and widths available upon request.

TeXtreme®
UD Tapes for AFP

Optimized for automated fiber placement, these tapes are engineered to support scalable, high-efficiency production in demanding manufacturing environments.

Designed with binders to enable material preforming, these tapes are compatible with a wide range of AFP processes, ensuring smooth integration and consistent performance across various production systems.

Benefits

UD Tapes for AFP enhance material utilization and optimize resource management, enabling scalable production with reduced reliance on manual labor. Streamlined processes and improved product quality make these tapes an ideal solution for large-scale manufacturing, delivering high-performance results in demanding applications.

Weights from
64 gsm

Fiber
HS & HM

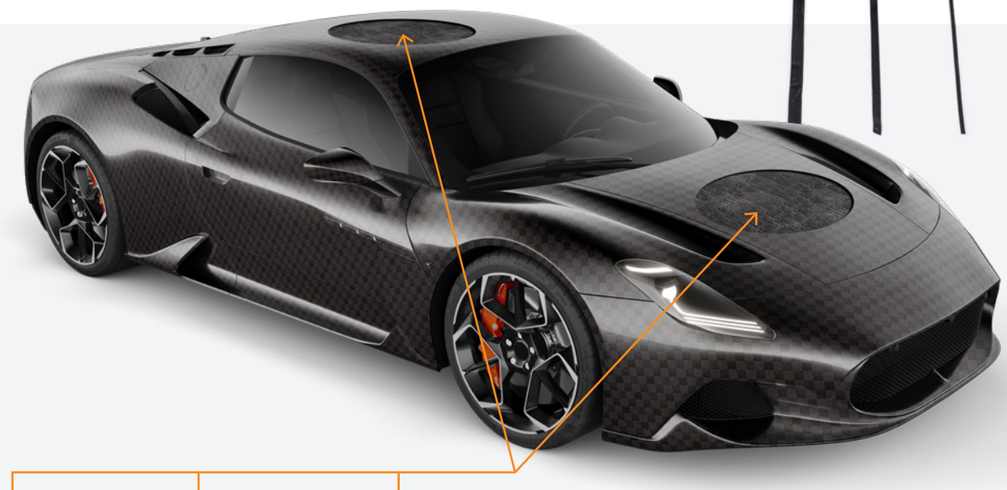


Image: TeXtreme® UD tapes with reactive binder.

TeXtreme® 0/90 Woven Spread Tow Reactive Binder*

The Reactive Binder reinforcement enables ultralight materials, such as Spread Tow products, to achieve prepregging with resin contents as low as 38%.

Designed for ultra-low fiber areal weight reinforcements, such as those below 100 gsm, this binder is essential where low resin content is critical. It can be applied to a range of TeXtreme® reinforcements, facilitating the creation of prepregs with minimal resin content.

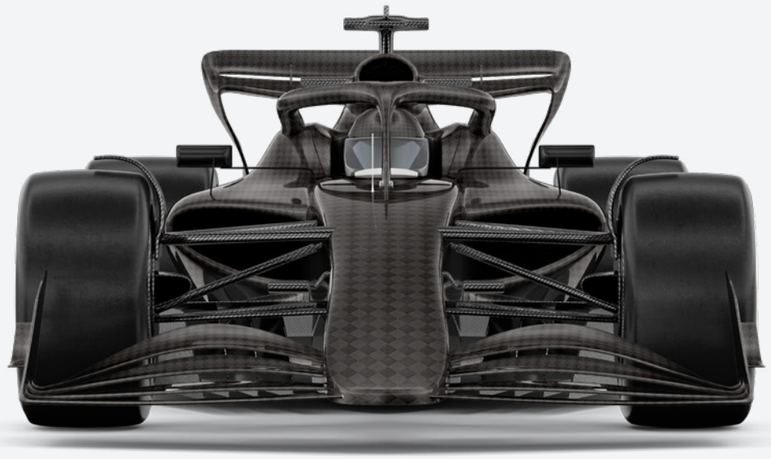
Benefits

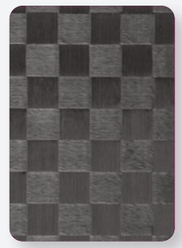
The binder supports the creation of lightweight composites while ensuring structural integrity. Featuring a 12-month outlife at room temperature, it eliminates the need for refrigeration during storage or shipment, enabling the production of larger, more complex structures. It withstands repeated heating up to 80°C for draping or pre-stacking without degradation. As a bisphenol-A based epoxy resin system, it requires a minimum curing temperature of 150°C and functions as both matrix and binder in subsequent prepregging or liquid resin composite processes.

Weights from
64 gsm

Fiber
HS & HM

Reactive binder fabrics are suitable for F1 racing cars.





TeXtreme® 0/90

* (prepreg) Other weights and widths available upon request.

TeXtreme® Standard Products

Textreme® 0/90 Reactive Binder

CF	Article	Description	Fiber name	FAW (gsm)	RB (gsm)	Resin content	TAW (gsm)	TW (mm)	WP	FW (mm)
HS	1192	TeXtreme® 0/90 HS 80	UTS50S	80	49	38%	129	20	PW	1000
	1160	TeXtreme® 0/90 HS 100	TR50	100	61	38%	161	20	PW	1000
IM	1187	TeXtreme® 0/90 IM 42	MR70	42	26	38%	68	20	PW	1000
	1193	TeXtreme® 0/90 IM 82	IMS65	82	50	38%	132	20	PW	1000
HM	1194	TeXtreme® 0/90 HM 43	HS40	43	26	38%	69	20	PW	1000

Textreme® 0/90

CF	Article	Description	FAW (gsm)	Epoxy comp. binder (~gsm)	TAW (gsm)	TW (mm)	WP	FW (mm)
HS	1051	TeXtreme® 0/90 HS 64	64	10	74	25	PW	Up to 2000 mm
	1013/1225	TeXtreme® 0/90 HS 80	80	10	90	20	PW	Up to 2000 mm
	1000/1103	TeXtreme® 0/90 HS 100	100	10	110	20	PW	Up to 2000 mm
	2208	TeXtreme® 0/90 HS 100 Silver	100	10	110	20	PW	Up to 2000 mm
	1025	TeXtreme® 0/90 HS 200	200	10	210	20	PW	Up to 2000 mm
	1154	TeXtreme® 0/90 HS 100	100	10	110	20x40	PW	Up to 2000 mm
	1230	TeXtreme® 0/90 HS 160	160	10	170	10	PW	Up to 2000 mm
	1017	TeXtreme® 0/90 HS 160	160	10	170	20	PW	Up to 2000 mm
IM	1171	TeXtreme® 0/90 IM 42	42	10	52	20	PW	Up to 2000 mm
	1009	TeXtreme® 0/90 IM 76	76	10	86	20	PW	Up to 2000 mm
	1014	TeXtreme® 0/90 IM 152	152	10	162	20	PW	Up to 2000 mm
	1003	TeXtreme® 0/90 IM 82	82	10	92	20	PW	Up to 2000 mm
HM	1134	TeXtreme® 0/90 HM 43	43	10	53	20	PW	Up to 2000 mm
	1170	TeXtreme® 0/90 HM 86	86	13	99	20	PW	Up to 2000 mm
	1005	TeXtreme® 0/90 HM 130	130	10	140	20	PW	Up to 2000 mm
	1027	TeXtreme® 0/90 HM 60	60	10	70	20	PW	Up to 2000 mm
	1095	TeXtreme® 0/90 HM 120	120	10	130	20	PW	Up to 2000 mm

Textreme® 0/90 Colored

CF	Article	Description	FAW (gsm)	Epoxy comp. binder (~gsm)	TAW (gsm)	TW (mm)	WP	FW (mm)
HS	22XX	TeXtreme® 0/90 HS 100 Colored	100	10	120	20	PW	1000

Textreme® 0/90 Hybrid

Fiber	Article	Description	FAW (gsm)	Epoxy comp. binder (~gsm)	TAW (gsm)	TW (mm)	WP	FW (mm)
HS/ Innegra	1279	TeXtreme® HYBRID 0/90 HS/INNEGRA 130	130	15	140	20	PW	Up to 2000 mm
	1200	TeXtreme® HYBRID 0/90 HS/INNEGRA 180	180	10	190	20	PW	Up to 2000 mm
HS/ Zylon	1117	TeXtreme® HYBRID 0/90 HS/ZYLON 133	133	10	143	20	PW	Up to 2000 mm

Textreme® +/-45

CF	Article	Description	FAW (gsm)	Epoxy comp. binder (~gsm)	TAW (gsm)	TW (mm)	WP	FW (mm)
HS	3004	TeXtreme® +/-45 HS 80	80	10	90	20	PW	1000 & 1270 mm
	3001	TeXtreme® +/-45 HS 100	100	10	110	20	PW	1000 & 1270 mm
	3003	TeXtreme® +/-45 HS 160	160	10	170	20	PW	1000 & 1270 mm
IM	3011	TeXtreme® +/-45 IM 76	76	10	86	20	PW	1000 & 1270 mm
HM	3024	TeXtreme® +/-45 HM 50	50	10	60	20	PW	1000 & 1270 mm
	3025	TeXtreme® +/-45 HM 86	86	10	96	20	PW	1000 & 1270 mm

Textreme® 0/90 Flax

Stämmer tabellen?

Fiber	Article	Description	FAW (gsm)	TP binder (gsm)	TAW (gsm)	TW (mm)	WP	FW (mm)
Flax	1238	TeXtreme® 0/90 Flax 200	200	12	212	20	PW	1000 & 1270 mm

Textreme® +/-45 Flax

Stämmer tabellen?

Fiber	Article	Description	FAW (gsm)	TP binder (gsm)	TAW (gsm)	TW (mm)	WP	FW (mm)
Flax	1238	TeXtreme® +/-45 Flax 200	200	12	212	20	PW	1000 & 1270 mm

Explanation

CF = Carbon Fiber
TW = Tape Width
WP = Weave Pattern
FW = Fabric Width
RB = Reactive Binder
GW = Gap Width
FAW = Lorem ipsum
ECB = Epoxy component Binder
TAW = Total Areal Weight
TWL = Tape Width Lenght
TP veil b. = TP veil binder

TeXtreme® Standard Products

Textreme® UD tapes Reactive Binder

– Supplied in 200 lm on a 3” core with thermoplastic interleave foil.

CF	Article	Description	Fiber name	FAW (gsm)	Reactive binder (gsm)	Resin content	TAW (gsm)	TW (mm)
HS	5122	TeXtreme® UD HS 67	TR50	67	35	35%	113	6,35
	5129	TeXtreme® UD HS 50	TR50	50	27	35%	77	20
	5252	TeXtreme® UD HS 80	UTS50	80	49	38%	129	10
IM	5131	TeXtreme® UD IM 35	IM7	35	19	35%	54	12,7

Textreme® UD tapes

– Supplied in 200 lm on a 3” core with thermoplastic interleave foil.

CF	Article	Description	FAW (gsm)	Epoxy comp. binder (~gsm)	TAW (gsm)	TW (mm)	WP	FW (mm)
HS	5035	TeXtreme® UD HS 32	32	5	37	25	N/A	N/A
	5160	TeXtreme® UD HS 40	40	5	45	20	N/A	N/A
	5009	TeXtreme® UD HS 50	50	5	55	20	N/A	N/A
	5018	TeXtreme® UD HS 80	80	5	85	20	N/A	N/A
	5021	TeXtreme® UD HS 80	80	5	85	50	N/A	N/A
	5017	TeXtreme® UD HS 100	100	5	105	20	N/A	N/A
IM	5003	TeXtreme® UD IM 38	38	5	43	20	N/A	N/A
	5020	TeXtreme® UD IM 76	76	5	81	20	N/A	N/A
	5071	TeXtreme® UD IM 76	76	5	81	50	N/A	N/A
HM	5072	TeXtreme® UD HM 21	21	5	26	20	N/A	N/A
	5026	TeXtreme® UD HM 30	30	5	35	20	N/A	N/A

Textreme® UD tapes for AFP

– Supplied in 200 lm on a 3” paper core OR Hafner spool.

CF	Article	Description	FAW (gsm)	Binder Type	Binder (~gsm)	TAW (gsm)	TW (mm)	FW (mm)
HS	5171	TeXtreme® UD HS 147	147	PA1206	6	153	20	N/A
	5277	TeXtreme® UD HS 291	291	EPR 05311	10	301	13	N/A
IM	5173	TeXtreme® UD IM 194	194	PA1206	6	200	20	N/A
	5172	TeXtreme® UD IM 194	194	PA1206	6	200	20	N/A

Textreme® 0/90 Reactive Binder

CF	Article	Description	Fiber name	FAW (gsm)	RB (gsm)	Resin content	TAW (gsm)	TW (mm)	WP	FW (mm)
HS	1192	TeXtreme® 0/90 HS 80	UTS50S	80	49	38%	129	20	PW	1000
	1160	TeXtreme® 0/90 HS 100	TR50	100	61	38%	161	20	PW	1000
IM	1187	TeXtreme® 0/90 IM 42	MR70	42	26	38%	68	20	PW	1000
	1193	TeXtreme® 0/90 IM 82	IMS65	82	50	38%	132	20	PW	1000
HM	1194	TeXtreme® 0/90 HM 43	HS40	43	26	38%	69	20	PW	1000

Textreme® Gapped UD

CF	Article	Description	Fiber name	FAW (gsm)	GW (mm)	FW (mm)
HS	5230	TeXtreme® Gapped UD HS 118	TR50S	118	0,4	200
IM	5183	TeXtreme® Gapped UD IM 193	IMS65	193	0,3	300
HM	5195	TeXtreme® Gapped UD HM 125	HS40	125	0,4	200

Textreme® 360° Prepeg

– Resin Content 35% (other resin content available upon request).

CF	Article	Description	FAW (approx) (gsm)	Reactive binder 35% resin content (w) (gsm)	TAW (gsm)	TWL (mm)	Isotropic level (%)	FW (mm)
HS	4004	TeXtreme® 900 DFC HS	900	485	1385	20:40	>95%	600
	4005	TeXtreme® 600 DFC HS	600	323	923	20:40	<65%	600
IM	4003	TeXtreme® 470 DFC IM	470	253	723	20:40	>95%	600
HM	4002	TeXtreme® 470 DFC HM	470	253	723	20:40	>95%	600

Textreme® 360° Dry

CF	Article	Description	FAW (approx) (gsm)	8% Epoxy comp. binder (~gsm)	TAW (gsm)	TWL (mm)	Isotropic level (%)	FW (mm)
MIX*	4006	TeXtreme® 250 DFC MIX	250	20	270	10-25:10-40	<25%	600
	4007	TeXtreme® 500 DFC MIX	500	40	540	10-25:10-40	<50%	600
	4008	TeXtreme® 900 DFC MIX	900	80	980	10-25:10-40	>95%	600

* Mix HS/IM/HM.

Explanation

CF = Carbon Fiber
TW = Tape Width
WP = Weave Pattern
FW = Fabric Width
RB = Reactive Binder
GW = Gap Width
FAW = Lorem ipsum
ECB = Epoxy component Binder
TAW = Total Areal Weight
TWL = Tape Width Lenght
TP veil b. = TP veil binder

TeXtreme®

textreme.com
sales@textreme.com

Oxeon AB - Sweden
Företagsgatan 24
SE-504 64 Borås
Sweden
+46 33 340 18 00

Oxeon Inc - United States
9 Parkway North
Suite 300
Deerfield, IL 60015
United States
+1 925-872-5659

Version 4.0 2025