



ULTRABLADE® MULTIAXIAL SUPERIOR SOLUTIONS

Ultrablade® Multiaxial fabrics are specially designed to enable load reduction on bolts and blade length extension.

- Manufactured using the best glass fabric technology at Owens Corning state-of-the-art facilities worldwide.

FOR WIND BLADE PRODUCTION

Product Benefits

Increased Strength

- Multiaxial fabric increases root laminate stiffness and strength.

Improved bolt fatigue life

- Up to 17% reduction of the transferred loading to the rotor blade root bolts.

Application

Wind Blade Production

- Root section and blade shell laminates.
- Other applications requiring premium stiffness and strength.



Technical Characteristics

Ultrablade® Multiaxial Product Range

ULTRABLADE® MULTIAXIAL	TYPE	APPLICATIONS
Ultrablade® TLX 800-2000 Ultrablade® TTX 800-2000	Multiaxial	Root Section
Ultrablade® BX 600-1200	Biaxial	Shell Laminate

Static Property of TTX 1500 (as an example)

Laminate fabricated with RIMR035c/RIMH037, testing conducted by Momentive Specialty Chemicals Stuttgart GmbH.

TEST	NORM	MODULUS [GPA]	MEAN STRENGTH (MPA)	CHARACTERISTICS STRENGTH (MPA)	ELONGATION [%]	FWF [%]
0° Tension	ISO 527-4	41.10	830.00	770.00	2.23	74.60
0° Compression	ISO 14126	39.60	616.00	509.00	1.58	72.50
90° Tension	ISO 527-4	12.90	53.80	46.90	0.71	72.90
Shear (G12)	ISO 14129	5.0	26.90	23.60		72.90
ILSS	ISO 14130		54.60	52.20		

Product Availability (Standard Reference)

Ultrablade® is available in all regions.

Packaging (Standard Reference)

Available upon request.



Americas

Owens Corning Composite Materials, LLC.

One Owens Corning Parkway
Toledo, Ohio, USA 43659
1-800-GET-PINK®

Europe

European Owens Corning Fiberglas Sprl.

166 Chaussée de la Hulpe
B-1170 Brussels
Belgium
+32 3 674 8211

Asia Pacific

Owens Corning Shanghai Regional Headquarters

40/F, Pudong Kerry Parkside,
115 Fang Dian Road, Pudong,
Shanghai, 201204, China
+86-21-6101 9666

<https://www.owenscorning.com/composites> | Composites@owenscorning.com

This information and data contained herein is offered solely as a guide in the selection of product. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application of the product to determine its suitability. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation. We reserve the right to modify this document without prior notice.

Pub. 10018817_Ultrablade Multiaxial Product Sheet_November 2018

THE PINK PANTHER™ & © 1964–2018 Metro-Goldwyn-Mayer Studios Inc. All Rights Reserved. © 2018 Owens Corning. All Rights Reserved.