

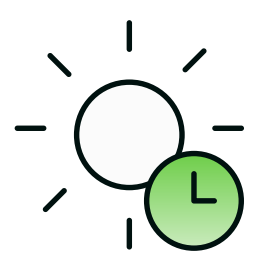
ULTRAPIPE® FABRICS



Ultrapipe® fabric solutions are based on Advantex® E-CR glass, combining excellent corrosion resistance with a long lifetime. Our extra translucent glass helps extend the diameter range of glass-based UV lining solutions. Ultrapipe fabrics provide the ideal solution for In Situ Pipe Relining.

Product Benefits

Ultrapipe® fabrics have been specially designed to increase the UV-light transparency of the composite laminate for improved composite cross-linking and mechanical properties. Ultrapipe® fabrics deliver:



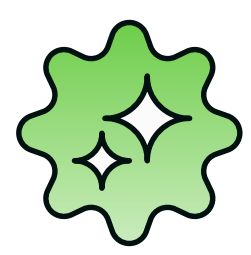
Enhanced UV Cure Performance

- Enables shorter cure cycles and the production of thicker laminates.



High Corrosion Resistance

- All solutions based on Advantex® E-CR glass for longer service life of the installed liner



Superior Mechanical Properties And Stretchability

- Offering high-performance laminates



Easier Processing Properties

- Fast wet-out and impregnation

Application

In manhole refurbishment applications, Ultrapipe® glass fibers provide superior translucency for faster and more efficient curing with UV light. For manhole refurbishment, our fabrics are available in two types: MLOCM and DLOC, which are specially designed to fit the shape and size of any manhole due to their long-oriented chops and multidirectional reinforcements. Our fabrics' high elongation performance enables a perfect fit and smooth finish, ensuring a durable and leak-proof seal.



Translucency



Industry Reference



Ultrapipe® SM650



MLOCM Standard



Ultrapipe® MLOCM



WRM Standard



Ultrapipe® WRM



Ultrapipe® LT/S

UV-cured laminates of 4 mm thickness demonstrating the increased translucency of Ultrapipe® versus reference products.

Cured-in-Place Pipe Fabrics Product Line

PRODUCT OFFERINGS										PROCESS/APPLICATIONS				
PRODUCT LINE	PRODUCT REFERENCE	RESIN COMPATIBILITY					MULTI COMPATIBLE		TRANSLUCENCY	IMPREGNATION	MECHANICAL PROPERTIES	WINDING	FOLDING	STITCHING
		TYPE OF GLASS					ADVANTEX®					STRETCHABILITY	AVAILABILITY OF WIDTH	STRETCHABILITY
		PRODUCT PLANT					EU							
		AREA WEIGHT RANGE (G/M²)												
		IN CONTINUOUS FIBERS	VEIL	LONG ORIENTED CHOPPED FIBERS	IN RANDOM FIBERS (MER)	TOTAL WEIGHT								
LOC	VLOC	0–70	25–30	400–800	100–295	700–1000		+++	++	++	+++	N/A	N/A	
Stitched Veil	SV	0–150	0–30		450–700	550–730		+	++	=	++	N/A	N/A	
WR/S	WRy/S	500–1000			250–500	750–1500		++	++	+	N/A	+	N/A	
LT/S	LT/S	300–1000	0–100	N/A	250–600	550–2000		++	+++	++	N/A	=	N/A	
	LTy/S	300–1500	0–100	N/A	250–600	550–2000		++	+++	++	N/A	=	N/A	
DLOC	DLOC	90–120		400–1600	200	700–1900		++	++	+	N/A	=	++	
	VDLOC	250–300	25–30	400–1600		700–1900		++	++	+	N/A	=	++	

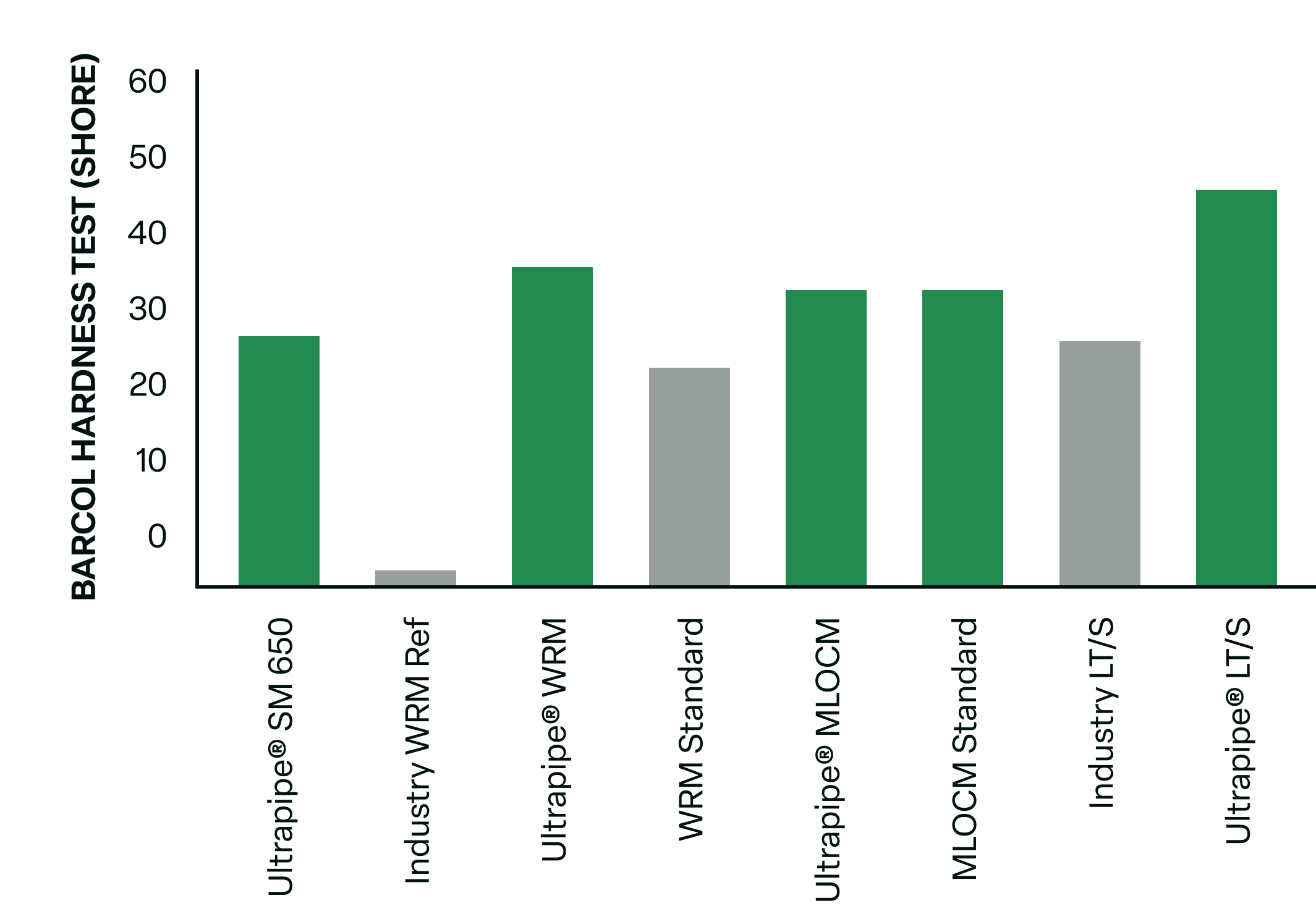
For drinking water contact applications, contact productcompliance@owenscorning.com to enquire about the status of the product.

LINEAR TECHNOLOGY	PRODUCT	CONSTRUCTION
Winding Process	Ultrapipe® SV Solution	Mat Complex
Winding Process	Ultrapipe® MLOCM	Mat combined with Long Oriented Chop
Folding Process	Ultrapipe® LT/S	Woven Roving and Mat, Complex Non Crimped Fabrics and Chopped Strand Mat

Hardness

Barcol hardness on the back surface of 4 mm UV-cured laminates demonstrating the UV-cure performance of Ultrapipe® versus reference products.

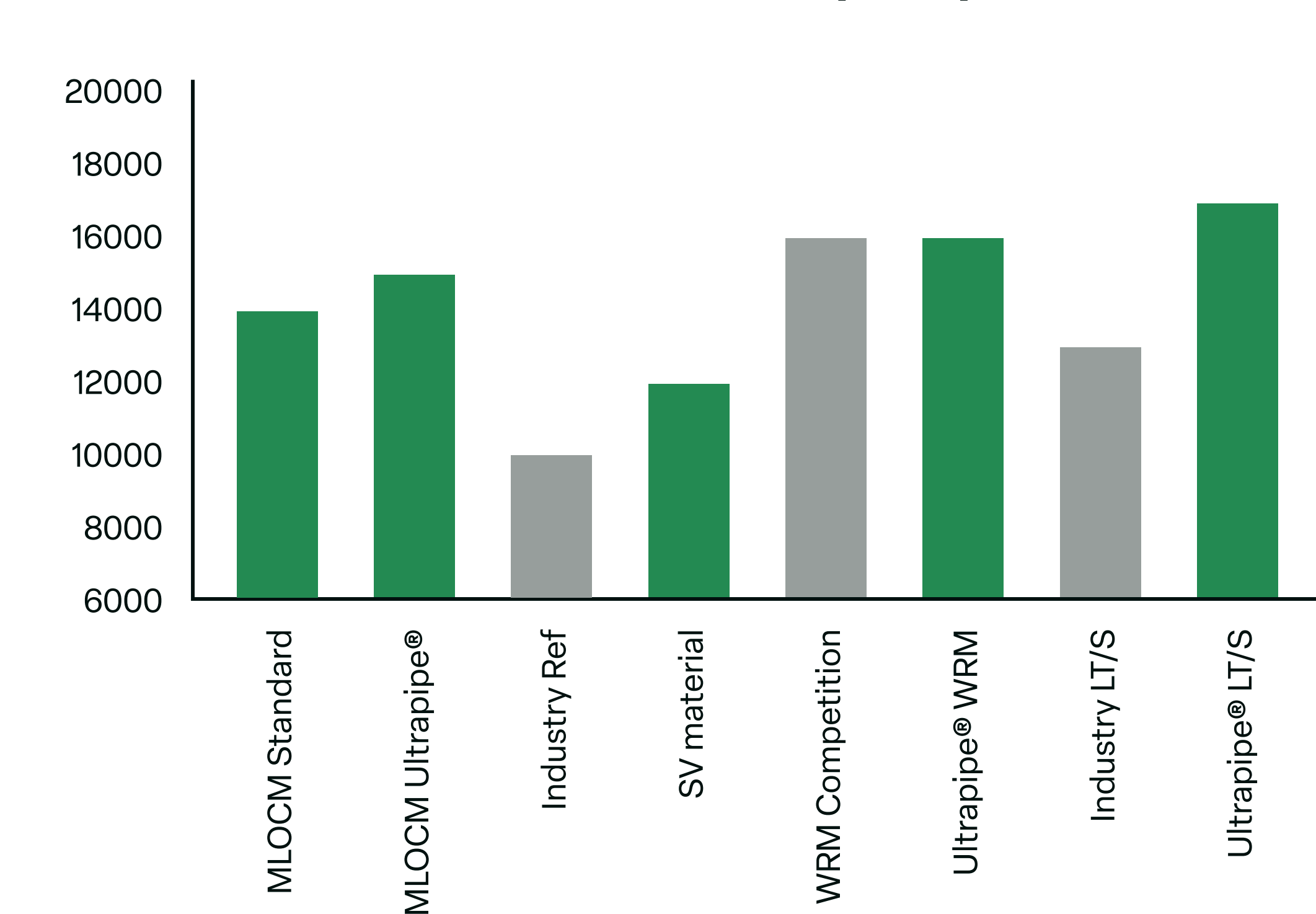
Panel Bottom Side Hardness Evaluation



Mechanical Properties

Comparison of mechanical properties of Ultrapipe® solutions versus reference materials. Figure showing flexural E-modulus in the hoop direction of the pipe before and after stretching the fabric before cure.

E-modulus (MPa)



MAKE
MORE
POSSIBLE™

US & Canada
2790 Columbus Road
Building 70
Granville, Ohio, USA 43023
+1 866 2GET GLAS

Europe (France)
767 Quai Des Allobroges
Chambery
Rhone-Alpes 73000, France
+33 4 79 75 55 52

China
Room 301C+304,
1188 Minsheng Road,
Pudong, Shanghai
201705, China
+86 21 8010 3596

This information and data contained herein is offered solely as a guide in the selection of product. We do not guarantee its applicability to the user’s process or assume any responsibility or liability arising out of its use or performance. The physical and chemical properties of this product represent typical, average values obtained in accordance with stated test methods and are subject to normal manufacturing variations. 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. No. 10015889-A. Ultrapipe® Fabrics Product Data Sheet. July 2026. English. © 2026 OCF - Original Composites & Fiberglass. All Rights Reserved.