

M8643 PRO

Proven performance. Made even better.



M8643 Pro is the evolution of our industry-proven M8643 continuous filament mat. Built with the same reliability and handling characteristics customers trust, M8643 Pro delivers enhanced performance and productivity in challenging pultrusion applications.

-  Produced with patented Advantex® corrosion resistant E-CR glass.
-  Made of continuous filaments randomly oriented and bonded together with a thermoset binder.

Performance Advantage

M8643 vs. M8643 Pro

PROPERTY	M8643	M8643 PRO	BENEFITS
Dry Tensile Strength (MD)	High tensile strength	+50% higher tensile strength ¹	Reduced tear outs Wider process operating window
Mat Weight Consistency	Reliable, uniform glass distribution	50% tighter weight control ²	Helps ensure process and part-to-part consistency
Roll Length	Typical length	<ul style="list-style-type: none">+10% longer rolls³No short rolls	Longer run time on creels Increased slitting efficiency More efficient use of warehouse space

All comparisons are made versus standard M8643 products as measured using test methods outlined in our CAS (Customer Acceptance Standards).
¹Based on higher minimum tensile strength specification. ²Based on tighter mat weight specifications. ³Based on increased average roll length.

Application

M8643 Pro mat is compatible with unsaturated polyester and vinyl ester resin systems and designed primarily for the reinforcement of pultruded shapes, including gratings, ladder rails, frames, and insulators.



Availability

M8643 Pro is currently available in North America.

NOMINAL MAT WEIGHT (OZ/SQ-FT)	MAT WIDTH (in)		
	50	72	84
0.75	✓		✓
1.00		✓	✓
1.50		✓	

Packaging & Labeling

Each roll is wound on a 101.6 mm (4”) inside diameter paper tube, fully enclosed in Creel-Pak® wrap, positioned vertically on each pallet, and Cling-Pak® wrapped. To allow 100% traceability once the roll is slit, information is printed onto the wrapping film and the core paper tube.

Each roll bears a label detailing the product description, product code, nominal weight, roll width, roll number, and date of manufacture.

NOMINAL MAT WIDTH (CM)	NOMINAL MAT WIDTH (IN)	NOMINAL ROLL DIAMETER (CM)	ROLL DIAMETER RANGE (IN)	ROLLS PER PALLET	PALLET SIZE (CM)	PALLET SIZE (IN)
≤ 106.7	≤ 42	55	19 - 22	12	167.6 x 111.8	66 x 44
> 106.7	> 42	55	19 - 22	6	167.6 x 111.8	66 x 44

Storage

Unless otherwise specified, it is recommended that glass fiber products be stored in a cool, dry area. Recommended long-term storage conditions are temperatures between 10°C and 35°C and relative humidity between 35% and 85%. While temporary deviations may occur during storage or transportation, product performance can be confirmed through routine verification testing if exposure outside these conditions has occurred for an extended period. Glass fiber products should remain in their original packaging until the point of use. To help prevent condensation, keep product in its original, unopened packaging and allow it to naturally acclimate to the workshop temperature for at least 24 hours before opening or use. Packaging is not waterproof and should be protected from weather and other sources of moisture. Although fluctuations may occur during transportation, handling, and temporary storage, products should be maintained within the recommended storage ranges after receipt to help preserve product performance. A defined shelf life has not been established for the product when stored under recommended conditions. However, retesting is recommended after three years from the date of manufacture to help ensure optimum performance.

MAKE
MORE
POSSIBLE™

US & Canada

2790 Columbus Road

Building 70

Granville, Ohio, USA 43023

+1 866 2GET GLAS