

OPTISPRAY® ROBO MULTI-END ROVING

Productive robotic solution



OptiSpray® ROBO multi-end roving is specifically designed to improve dispersion and increase conformability in an open-mold robotic chop process. The product represents a compelling solution for fabricators that want to improve productivity and achieve optimal aesthetics.

- ✔ Multi-end gun roving reinforcement using Advantex® glass fiber, which combines the electrical and mechanical properties of traditional E-glass with the acid corrosion-resistance of E-CR glass.
- ✔ Advantex® glass roving has a sizing system designed to provide optimal performance for spray-up applications where fast wet-out, increased productivity, and manufacturing speed are preferred.

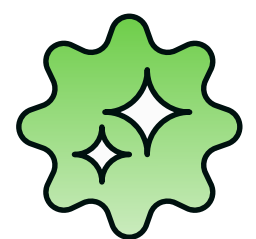
FOR OPTIMAL PRODUCTIVITY AND AESTHETICS

Product Benefits



Increased Productivity

- Productivity gains (ft²/min) of up to 21% on complex geometries have been realized during the open-mold manufacturing process, versus the lowest-performing fiberglass alternative.*



Improved Efficiencies

- Low-fuzz generation and improved dispersion, flat lay-down, and excellent conformability using a specialty anti-stat that saves time.
- Improved anti-stat provides less static build-up for robotic-based production.
- New fiber geometry offers good mechanical properties and improves conformability for better roll-out, wet-out, and reduced risk of trapping air.



Optimal Aesthetics

- Reduction in A-side fiber print.
- Improved short-term and long-term waviness, and improved B-side cosmetics.

Up to
21% ↑↑
increase in
productivity.*

*Third-party external evaluation of a Marine structural liner showed up to a 21% reduction in time/ft² versus worst-performing fiberglass option.

Application

OptiSpray® ROBO multi-end roving can be used in a variety of spray-up applications, including boats, truck caps, vehicle body parts, bath tubs, showers, spas, tanks, and applications with large parts, complex molds, or sharp curvatures.

Technical Characteristics

LINEAR WEIGHT OF ROVING (TEX)	YIELD (YD/LB)	LOSS ON IGNITION (%) ISO 1887:1995
2400	207	1.30

Other Tex may be available upon request.

Availability & Packaging

PRODUCT	DOFF CHARACTERISTICS			
	DIAMETER (mm)		HEIGHT (mm)	NOMINAL WEIGHT (kg)
	INTERNAL	EXTERNAL		
OptiSpray® ROBO 2400	75	281	265	21

- Each OptiSpray® ROBO doff is protected by a tack-wrap polythene film and identified by an individual label; please do not remove film during use.
- Creel-Pak® and customer-specific packaging may be available upon request.

PRODUCT	DOFF Ø (MM)	PALLET DIMENSIONS LxW (CM)	LAYERS PER PALLET	DOFFS PER LAYER	TOTAL NUMBER OF DOFFS	CREEL-PAK®	PALLETS APPROX. FIBERGLASS
						NUMBER OF ENDS	WEIGHT* (kg)
OptiSpray® ROBO 2400 Creel-Pak® 2E	281	114 x 114	3	16	48	2	1008

*Add 30 to 40 kg to obtain gross weight.

Labeling

Each doff has a self-adhesive identification label showing the product reference and the production date.

Each pallet has two identification labels detailing the product reference, pallet net and gross weights, production date, and pallet production code.

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 two 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