



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 is 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.

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

Up to
21% ↑↑
increase in
productivity.*

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			NOMINAL WEIGHT (kg)
	DIAMETER (mm)		HEIGHT (mm)	
	INTERNAL	EXTERNAL		
OptiSpray® ROBO Roving 2400	75	277	265	19.6

- 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. FIBERGLAS
						NUMBER OF ENDS	WEIGHT* (kg)
OptiSpray® ROBO Rov. Creel-Pak® 2E 2400	277	114 x 114	3	16	48	2	941
			4		64		1254

*Add 35 to 45 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 to store glass fiber products in a cool, dry area. Ideal conditions are at a temperature between 10 °C and 35 °C and a relative humidity between 35% and 85%. The glass fiber products must remain in their original packaging material until the point of usage. If the storage temperature is below 15 °C, it is recommended that the product be stored in the workshop, within its original packaging, at least 24 hours prior to use to help prevent condensation. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, there is no known shelf life to the product, and retesting is advised after three years from the initial production date to ensure optimum performance.

**MAKE
MORE
POSSIBLE™**

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