



OPTISPRAY® ROBO ROVING PRODUCTIVE ROBOTIC SOLUTION

OptiSpray® ROBO 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

Up to
21%
increase in
productivity.*

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.

Applications

OptiSpray® ROBO 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.

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

**Technical
Characteristics**
(Nominal Values)

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

Other Tex may be available upon request.

Product Availability
(Standard Reference)

PRODUCT	DOFF CHARACTERISTICS				
	DIAMETER (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 L x W (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 4	16	48 64	2	941 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

It is recommended to store glass fiber products in a cool, dry area. The glass fiber products must remain in their original packaging material until the point of usage; the product should be stored in the workshop, within its original packaging, 48 hours prior to its utilization, to allow it to reach the workshop temperature condition and prevent condensation, especially during the cold season. 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, but retesting is advised after two years from the initial production date to ensure optimum performance.



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