

OPTISPRAY® F MULTI-END ROVING

Reduce resin, increase
performance



OptiSpray® F multi-end roving represents a compelling solution for fabricators that want to save time and resin while increasing the performance of their products.

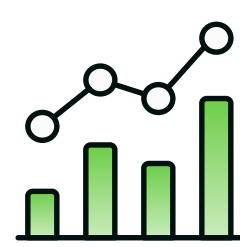
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Multi-end gun roving reinforcement using Advantex® glass fiber, which combines the electrical and mechanical properties of traditional E-glass with the acid corrosion resistance of E-CR glass.
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Advantex®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

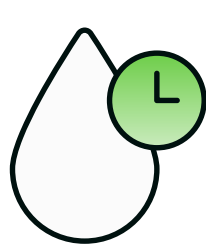
FOR FAST WET-OUT AND EASY WORKABILITY

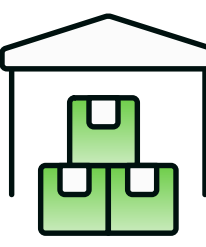
Product Benefits

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Increased Efficiency
Low fuzz combined with easy chopping, roll-out and uniform dispersion saves time.
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Great Performance
Good mechanical properties, great surface quality, excellent conformability, doesn't trap air, low spring back.
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Reduced Cost
Higher glass loading with optimal resin consumption reduces the amount of expensive resin required.
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Fast Wet-Out
Designed to provide optimal performance for spray-up applications where fast wet-out speed is preferred; great performance in various types of part complexities.
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Packaging To Reduce Waste And Increase Floorspace
The new, optional 4-high pallet design increases the amount of fiberglass material in the standard pallet footprint by 33% enabling producers to fit more pounds within a distribution center, on a truck during delivery, and in the manufacturing site with no impact to floor space.

Application

OptiSpray® F 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 complex molds or sharp curvatures.

Technical Characteristics

LINEAR WEIGHT OF ROVING (TEX)	YIELDS (YD/LB)	LOSS ON IGNITION (%) ISO 1887:1995
2400	207	1.25
3000	165	1.25

Availability & Packaging

Each OptiSpray® F 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.

(*) Add 30 to 40 kg to obtain gross weight.

MANUFACTURING REGION	PRODUCT	NOMINAL DOFF DIAMETER (MM / IN)	LAYERS PER PALLET	DOFFS PER LAYER	NUMBER OF ENDS	PALLET DIMENSIONS L x W x H (CM / IN)	NOMINAL PALLET NET WEIGHT¹ (KG / LB)
North America	OptiSpray® F 2400 OptiSpray® F 3000	281 / 11.0	4	16	2 or 4	114 x 114 x 122 45" x 45" x 48"	1344 / 2,963
	OptiSpray® F 2400	303 / 11.9	4	12	12	129 x 97 x 122 51" x 38" x 48"	1114 / 2,456
			4	12	48 (CTC)	129 x 97 x 127 51" x 38" x 50"	
South America	OptiSpray® F 2400	277 / 10.9	3	16	2	114 x 114 x 97 45" x 45" x 38"	998 / 2,200
		303 / 11.9	4	12	12	129 x 97 x 122 51" x 38" x 48"	1166 / 2,571
Europe	OptiSpray® F 2400	290 / 11.4	3	16	2	119 x 119 x 96 47" x 47" x 38"	1032 / 2,275

Labeling

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

Each pallet has at least 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
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POSSIBLE™

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