OPTISPRAY® ROBO ROVING

THE LESS RESIN, MORE PERFORMANCE ROBOTIC SOLUTION

OptiSpray® ROBO Roving represents a compelling solution for fabricators that want to save time and resin while increasing the performance of their products. Designed specifically for your open-mold robotic chop process to improve dispersion and increase conformability.

- 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 with a silane coupling agent; designed to provide optimal performance for spray-up applications where medium wet-out speed is preferred.

FOR MEDIUM WET-OUT IN LARGE AND VERTICAL PARTS

Product Benefits

Increased Efficiency
- Low fuzz combined with easy chopping, flat-lay down, and uniform dispersion saves time.
- An improved anti-stat provides less static buildup for your robotic-based production.

Reduced Cost
- Higher glass loading with optimal resin consumption reduces the amount of expensive resin required.

Improved OptiSpray® ROBO Roving Performance
- Good mechanical properties, great surface quality, low spring back and reduces risks with trapping air. The new OptiSpray® ROBO fiber geometry has improved conform-ability for improved roll-out.

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.

Technical Characteristics
(Nominal Values)

LINEAR WEIGHT OF ROVING (TEX)	YIELD (YDS/LB)	LOSS ON IGNITION (%) ISO 1887: 1995
2400	207	1.10

Other Tex may be available upon request.

Product Availability
(Standard Reference)

PRODUCT	DOFF CHARACTERISTICS			
	DIAMETER (mm)		HEIGHT (mm)	NET WEIGHT (kg)
	INTERNAL	EXTERNAL		
OptiSpray® ROBO Roving 2400*	75	303	265	23

*Other Tex may be available upon request.

- 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	
						NUMBER OF ENDS	APPROX. HEIGHT (cm)	NET WEIGHT* (kg)
OptiSpray® ROBO Rov. Creel-Pak™ 2E 2400	303	129.5 x 96.5	3	12	36	2	13.9	2140

*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 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 insure optimum performance.

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