

# StarRov® 086

## Product description:

StarRov® 086 direct roving is manufactured by direct winding of continuous glass fibers of defined diameter into a cylindrical roving package. It is characterized by a soft silane sizing compatible with unsaturated polyester resins as well as with vinylester and epoxy resins. StarRov® 086 contains a sizing designed to be used mainly as an input for weaving processes. They are easy to unwind with very low fuzz generation during processing, with excellent wet out by the matrix resin and demonstrate superior fatigue characteristics. StarRov® 086 is used in a large spectrum of market segments, such as marine, construction and infrastructure and wind blades.

## Resin compatibility:

- Epoxy, unsaturated polyester and vinylester resins

	StarRov® 086
Weaving	★ ★
Pultrusion	★ ★
Filament winding	★

**Designation:** Glass type is E-Glass

## Benefits:

- Easy to unwind with an even tension
- Low fuzz generation during processing
- Excellent processing behavior in weaving
- Increased fabric conformability
- Very good wettability, fast and consistent
- Improved weight distribution (tex control)
- Superior fatigue properties
- Manufactured in compliance with ISO 9001 and ISO 14001 standards.



JM Designation	Region	Filament diameter (µm)	LOI content (%)	Moisture content Max.(%)	Linear density Tex (g/km)
StarRov® 086 300	EU	13.5	0.55	0.15	300
StarRov® 086 410	EU	16	0.55	0.15	410
StarRov® 086 600	EU	15.5	0.60	0.15	600
StarRov® 086 1200	EU	16	0.60	0.15	1200
StarRov® 086 2400	EU	16	0.60	0.15	2400
StarRov® 086 4800	EU	23	0.65	0.15	4800

**Bobbin dimensions:**

Region	Typical weight (kg)	Inner diameter (mm)	Outer diameter (mm)	Height (mm)
EU	20	160	300	260

**Packaging:**

Region	Packaging wrap	Pallet dimensions (mm)	Net weight per pallet (kg)	Bobbins per pallet
EU	Stretch foil	1285 x 960 x 1200	960	48

**Storage:**

These products should be stored in original packaging in dry, roofed, dust free storehouses. The recommended temperature is between 10°C to 30°C (50°F to 86°F). The products should remain in the original packaging and be conditioned in the work area for a minimum of 24 hours prior to use. The pallets should be single stacked unless otherwise specified on the packaging unit.

**Warranty disclaimer :**

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of this product represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the Regional Sales Office nearest you for the most current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on Johns Manville products, please visit <https://www.jm.com/en/login/policies-terms-and-conditions/> or call (800)654-3103.

**Values:**

All data represent typical average values.

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