

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 GL certified (Germanischer Lloyd) and 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
- Germanischer Lloyd (GL) certified
- 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	0.45	0.15	300
StarRov® 086 410	EU	15.5	0.55	0.15	410
StarRov® 086 600	EU	15.5	0.60	0.15	600
StarRov® 086 900	EU	16.5	0.60	0.15	900
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	0.60	0.15	4800

Bobbin dimensions:

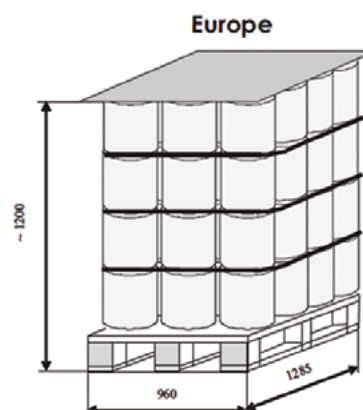
Region	Typical weight (kg)	Inner diameter (mm)	Outer diameter (mm)	Height (mm)
EU	20	160	300	260

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) at relative air humidity between 50% to 75%. 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.

**Values:**

All data represent typical average values.

Warranty disclaimer :

The physical (or chemical) properties of Johns Manville products represent typical average values obtained in accordance with accepted test methods at the time of manufacture and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check the Johns Manville office to assure current information. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy or other product information, contact your local Sales Representative.

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