

StarRov® 490

Product description:

StarRov® 490 LFT Roving is manufactured by direct winding of continuous glass fibers of defined diameter into a cylindrical roving package. It is characterized by a silane sizing compatible with polypropylene engineering polymers.

StarRov® 490 LFT Rovings are designed to be used mainly as an input for LFT (Long Fiber Thermoplastic) or D-LFT (direct LFT) process for the reinforcement of polypropylene resins.

The majority of the applications can be found in the automotive market where low weight advantages are needed.

Resin compatibility:

- Polypropylene

Benefits:

- Excellent opening of the bundle in thermoplastic pultrusion / LFT / D-LFT.
- Fast impregnation and perfect wet-out.
- Improved dry strength and low fuzz.
- Minimal sizing rub-off at contact points.
- Low VOC (Volatiles, odor and C-emission).
- Excellent for weaving processes.
- Improved mechanical properties.
- 490 can be used as reinforcement for plastics in food contact applications (repeated use) in the EU. (Please contact us for further details).

Designation: Glass type is E-Glass



JM Designation	Region	Filament diameter (µm)	LOI content (%)	Moisture content max. (%)	Linear density Tex (g/km)/ Yield (yd/lb)
StarRov® 490 2400	EU	16	0.55	0.15	2400 Tex
StarRov® 490 1200	EU	16	0.55	0.15	1200 Tex
StarRov® 490 600	EU	15.5	0.50	0.15	600 Tex

Bobbin dimensions:

Region	Typical weight	Inner diameter	Outer diameter	Height
EU	19 - 20 kg	165 mm	300 - 310 mm	260 - 290 mm

Packaging:

Region	Pallet wrap	Bobbin wrap	Pallet dimensions	Net weight per pallet	Bobbins per pallet
EU	Stretch foil	Tacky foil	1285 x 960 x 1400 mm	920 kg	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.



Europe

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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