

# MultiStar® 819

## Product description:

MultiStar® 819 is an assembled roving manufactured with continuous glass fibers of defined diameter into a cylindrical roving package with a silane based sizing characterized by a good choppability, low fuzz, and uniform splitting during chopping. It is used mainly as a reinforcement of unsaturated polyester resins via spray-up technology.

## Resin compatibility:

- Unsaturated polyester

## Benefits:

- Excellent unwinding
- Very low fuzz and static
- Fast wet through and wet out
- Uniform carpet lay-down
- Very good choppability
- Uniform splitting during chopping



Designation: Glass type is E-Glass

JM Designation	Region	Roving bundle linear density (tex)	Sizing content (%)	Moisture content Max.(%)	Strand linear density Tex (g/km)
MultiStar® 819 2400 60	EU	2400	1.0	0.15	60

## Bobbin dimensions:

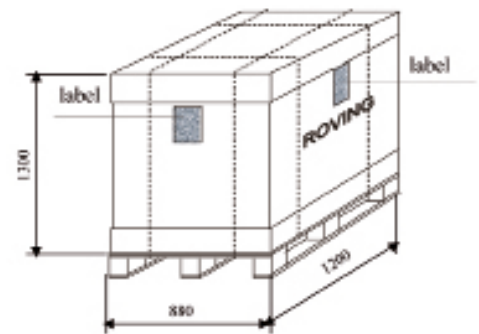
Region	JM Designation	Typical weight (kg)	Inner diameter (mm)	Outer diameter (mm)	Height (mm)	Bobbin wrap
EU	MultiStar® 819 2400 60	20	77	280	270	Shrink film

## Packaging:

Region	JM Designation	Packaging type	Pallet dimensions (mm)	Net weight per pallet (kg)	Bobbins per pallet
EU	MultiStar® 819 2400 60	Cardboard box	1200 x 880	912	48

## Storage:

These products should be stored in a cool and dry environment at a recommended temperature between 10°C to 30°C (50°F – max. 86°F) with relative 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 just prior to use. The pallets should be single stacked. Although there is no defined shelf life limitation for this product when properly stored, to insure optimal performance, retesting is recommended if the product is stored for more than two years.



## 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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