

# StarStran® 862 for BMC

## Product description:

StarStran® 862 chopped strands are used as reinforcement for unstaurated polyester resins in BMC applications. The chopped strands are designed for high shear environment used in compression and injection molding.

StarStran® 862 is produced by chopping E-glass fibers coated with a silane based sizing and available in 6mm and 12 mm lengths. BMC (Bulk Molding Compound) process technology is used to mould thermoset composites. BMC composites yield excellent precision tolerance for electrical components and high performance/cost ratio.

It has also remarkable thermal stability and fire resistant performance, which makes it an ideal material for applications in the building and construction segment and for high performance electrical components.

## Resin compatibility:

- Unsaturated polyester

**Designation:** Glass Type is E-Glass

## Benefits:

- High mechanical properties
- Excellent flow characteristics
- Excellent processing and wet out
- High resistance to shear for injection moulding
- Optimum for multi-purpose application



JM Designation	Region	Filament diameter (µm)	Sizing designation	Chopped strands length (mm)
StarStran® 862 4.5 mm	EU	10.5	862	4.5
StarStran® 862 6 mm	EU	15	862	6
StarStran® 862 12 mm	EU	15	862	12

**Technical Data:**

Region	JM Designation	Sizing	LOI content (%) ISO 1887	Moisture content Max. (%) ISO 3344	Bulk density Min. (g/l) ISO 15100
EU	StarStran® 862 4.5 mm	Silane	1.0 - 1.4	0.10	400
EU	StarStran® 862 6 mm	Silane	1.0 - 1.4	0.10	450
EU	StarStran® 862 12 mm	Silane	1.0 - 1.4	0.10	-

**Packaging:**

Region	Packaging type	Pallet dimensions (mm)	Net weight per pallet (kg)	Bags per pallet (20 kg bags)
EU	PE bags in cardboard box	1200 x 880	1000	50

Other packaging types upon request

**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.

**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.

**US Headquarters**

Johns Manville  
717 17th Street  
Denver, CO 80202 - USA  
Phone: +1 (303) 978 2000

**Customer-Service-Offices:**

**North America**  
Johns Manville  
7500 Dutch Road  
Waterville, OH 43566 - USA  
Phone: +1 (800) 554 4826  
Fax: +1 (419) 878 1538

**Europe**

Johns Manville Slovakia, a.s.  
Strojárska 1  
91799 Trnava - Slovakia  
Phone: +421 (0) 33 5918 249  
Contact: [fibers@jm.com](mailto:fibers@jm.com)

[www.jm.com](http://www.jm.com)