



# M821B

## Mat for Vacuum, RTM, S-Rim & Press Molding

### PRODUCT DESCRIPTION

M821B is a randomly oriented chopped strand mat produced with long fibers (4" & 6"). The strands are coated with a saline coupling agent and are bonded together in mat form using a small amount of low soluble polyester powder. M821B is produced using Advantex® glass fiber. Advantex® glass fiber combines the electrical and mechanical properties of traditional E-glasses with the acid corrosion resistance of E-CR glass. Advantex® meets the requirements stated of both E and E-CR glass. The strands are chopped and distributed randomly and uniformly, resulting laminates with isotropic properties.



### PRODUCT APPLICATION

M821B is designed to be compatible with polyester, epoxy, polyurethane and vinylester resins and used in process like RTM, Vacuum, S-RIM and Press Molding where is necessary good fiber washing resistance, softness and good conformability.

### TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

WEIGHT (GSM)	LOSS ON IGNITION (%)
300	5.5
400	4.0
450	5.5

# M821B

## Mat for Vacuum, RTM, S-Rim & Press Molding

### PRODUCT AVAILABILITY

WEIGHT (GSM)	WIDTH (CM)
300	140
400	
450	

### PACKAGING

The mat is wound on a 10 cm inside diameter carton tube to an overall outside diameter of approximately 42 cm.

On occasion it will be necessary to wrap in rolls. Wrapped in rolls will consist of 3 pieces only, the shortest of which will have a minimum length of 10 meters. The location of the wrap will be flagged by a strip of colored paper.

NOMINAL MAT WEIGHT (GSM)	NOMINAL FULL ROLL LENGTH (42 CM ROLL DIAMETER)	FULL ROLL WEIGHT (140 CM WEIGHT)	FULL PALLET WEIGHT (FULL ROLLS)
300	83 m	35 kg	315 kg
400	75 m	42 kg	375 kg
450	68 m	43 kg	390 kg

The mat is wrapped in a polyethylene transparent stretch film prior to be placed vertically on a pallet. The mat rolls are unitized on the pallet with polyethylene transparent stretch film.

### LABELING

Each pallet of mat is labeled on the outside with the following information:

- Product name and code
- Width of the roll
- Date of manufacture
- Weight of roll
- Team
- Number of the roll

### STORAGE

Unless otherwise specified, it is recommended to store glass fiber products in a cool dry area. Glass fiber products must remain in your original packaging until just prior to its use. If these conditions are respected, no shelf line is established.

#### Contact

ChoppedStrandMats.ocvamericas@owenscorning.com ChoppedStrandMats.ocvemea@owenscorning.com ChoppedStrandMats.ocvap@owenscorning.com



## OCV™ Reinforcements

**OWENS CORNING**  
**COMPOSITE MATERIALS, LLC**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO 43659  
1.800.GET.PINK™  
www.owenscorning.com  
www.ocvreinforcements.com

**EUROPEAN OWENS CORNING**  
**FIBERGLAS, SPRL.**  
166, CHAUSSÉE DE LA HULPE  
B-1170 BRUSSELS  
BELGIUM  
+32.2.674.82.11

**OWENS CORNING - OCV ASIA PACIFIC**  
**SHANGHAI REGIONAL HEADQUARTERS**  
2F OLIVE LVO. MANSION  
620 HUA SHAN ROAD  
SHANGHAI 200040  
CHINA  
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.