



## TECHNICAL DATASHEET Chopped Strand Mat (Emulsion Bonded)

### 【Product Description】

E glass or TCR glass Chopped Strand Mat is made of chopped fiber in specified length randomly & evenly distributed on conveyor, bonded by emulsion binder and cut into certain widths & lengths after heat forming. It is applicable for hand lay-up, filament winding, compression molding, machine molding process, ect. Compatible with Unsaturated Polyester (UP) & Vinyl resin systems. It is typically used to produce translucent panels, boat hulls, automobile interior parts, ect.

### 【 Characteristics】

Even thickness and medium rigidity  
Excellent strand distribution, good bonding on both sides  
Fast wet out and less bubbles in the product  
Good immersion speed, high process adaptability, good fiber erosion resistance  
Optimum molding performances, suitable for forming products with complex shapes  
Good mechanical properties

### 【Product Code】

EMCL450-965M  
E            E Glass  
MCL        CSM, Emulsion Bonded  
450        Area Weight (g/m<sup>2</sup>)  
965        Width (mm)  
M           One edge trimmed

### 【Technical Data】

Product Code	Unit Area Weight (g/m <sup>2</sup> )	Fiber Length (mm)	Width (mm)	Yarn Density
EMCL	405-495	50±10	100-3000	47tex
Moisture Content %	LOI %	Tensile Strength		Resin penetration speed(s)
		Longitudinal (N/150mm)	Transverse (N/150mm)	
≤0.50	2.7-4.7	≥60	≥60	< 180

**Remarks:** The above parameters only indicate the general situation of this series of products, for formal orders, each parameter is subject to customer confirmation.

### 【Packaging】

The chopped strands mat is packed in thermoplastic or PE bags by rolls, separately put into cartons and stacked on the pallet. Each pallet stacks 12 rolls vertically or 9 or 6 rolls horizontally. All pallets should not be stacked in more than 2 layers and cartons not more than 5 layers.

### 【Storage】

This product should be stored in a dry, ventilated and rainproof place, so as to prevent rain and sun exposure. It is best to use up a single roll at one time. It is recommended to be consumed within 12 months from the production date, and shall be kept in intact package when not used to avoid damp.

Address: Dawenkou Industrial Zone, Manzhuang Town, Taian, Shandong, China  
Phone: +86 538 6622028 6626597

E-mail: ctgf@ctgf.com  
Fax: +86 538 6622009

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