

**E-Glass Powder Strand Mats are unwoven fabrics consisting of randomly distributed chopped strands held together with a powder binder.**

### Product Features

- Uniform density ensures consistent fiberglass content and mechanical properties of parts.
- Uniform powder distribution ensures good mat integrity and few loose fibers.
- Excellent flexibility ensures good moldability with no springback at sharp angles.
- Fast and consistent wet-out speed in resins and rapid air release reduce resin consumption and production cost and enhance productivity and mechanical properties of parts.
- The composite products have high dry and wet tensile strength and good transparency.



### Compatible Resins and Applications

Powder Chopped Strand Mats are compatible with unsaturated polyester, vinyl ester, epoxy and phenolic resins.

The products are most widely used in hand lay-up process and can also be used in filament winding, compression molding and continuous laminating processes to manufacture various panels, boats, bathroom equipment, automotive parts and cooling towers.

### Product List

Property	Area Weight (%)		Moisture Content (%)	Combustible Content (%)		Breakage Strength (N)	Width (mm)
	Average	Single		P02	P04		
	ISO 3374		ISO 3344	ISO 1887		ISO 3342	ISO 5025
EMC225	-0.5 ~ +10.0	-10 ~ +20	≤0.20	3.1 ~ 6.2 (Central value:5.2)	3.0 ~ 6.0(Central value:5.0)	≥60	± 5
EMC300	-0.5 ~ +10.0	-10 ~ +20	≤0.20	2.4 ~ 4.8 (Central value:4.0)	2.2 ~ 4.4(Central value:3.7)	≥90	± 5
EMC375	-0.5 ~ +10.0	-10 ~ +20	≤0.20	1.8 ~ 3.6 (Central value:3.0)	1.9 ~ 3.6(Central value:3.1)	≥100	± 5
EMC450	-0.5 ~ +10.0	-10 ~ +20	≤0.20	1.8 ~ 3.6 (Central value:3.0)	1.6 ~ 3.2(Central value:2.7)	≥120	± 5
EMC600	-0.5 ~ +10.0	-10 ~ +20	≤0.20	1.5 ~ 3.0 (Central value:2.5)	1.5 ~ 3.0(Central value:2.5)	≥150	± 5
EMC900	-0.5 ~ +10.0	-10 ~ +20	≤0.20	1.3 ~ 2.6 (Central value:2.2)	1.5 ~ 3.0(Central value:2.5)	≥200	± 5

Note: Powder Chopped Strand Mats are available with width range of 50mm ~ 3120mm. The products are available with different wet-out and break up speeds, depending on the requirements of customers.

### Packaging

Each Powder Chopped Strand Mat is wound onto a paper tube which has an inside diameter of 90mm and the mat roll has a diameter of 265mm. The mat roll is wrapped up with plastic film, and then packed in a cardboard box or wrapped up with kraft paper. The rolls can be packed vertically or horizontally. For transportation, the rolls can be loaded into a container directly or onto pallets.

### Storage

Unless otherwise specified, fiberglass products should be stored in a dry, cool and rain-proof area. It is recommended that the room temperature and humidity should be always maintained at 15°C ~ 35°C and 35% ~ 65% respectively.