

E-Glass Emulsion Chopped Strand Mats are an unwoven fabric consisting of randomly distributed chopped strands held together with an emulsion binder.

Product Features

- Uniform density ensures consistent fiberglass content and mechanical properties of the composite products.
- The mats features good mat integrity, good unwinding, easy cutting, little loose fibers and no flying fibers during handling.
- Excellent flexibility ensures good moldability with no springback at sharp angles.
- Fast and consistent wet-out speed in resins and rapid air lease enhance molding productivity and mechanical properties of the end products.



Compatible Resins and Applications

Emulsion Chopped strand Mats are compatible with unsaturated polyester, vinyl ester and epoxy 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. The typical end products include various panels, boats, bath equipment, automotive parts and cooling towers.

Product List

Property	Area Weight (%)	Moisture Content (%)	Combustible Content (%)	Breakage Strength (N)	Width (mm)
Test Method	ISO 3374	ISO 3344	ISO 1887	ISO 3342	ISO 5025
EMC225	-5.0/+10.0	≤0.20	5.4 ± 0.9	≥ 30	± 5
EMC300	-5.0/+10.0	≤0.20	4.5 ± 0.9	≥ 50	± 5
EMC450	-5.0/+10.0	≤0.20	4.0 ± 0.8	≥ 70	± 5
EMC600	-5.0/+10.0	≤0.20	4.0 ± 0.8	≥ 80	± 5

Note: Emulsion Chopped Strand Mats are available with a width range of 50mm ~ 1270mm. Other specifications are also available on customer request.

Packaging

Each Emulsion Chopped Strand Mat is wound onto a paper tube which has an inside diameter of 89mm 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 vertically or horizontally placed. For transportation, the rolls can be loaded into a container directly or on 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.