JUSHI

Powder Chopped Stand Mats

E-GLASS

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	Combustible Content (%)		Breakage	Width (mm)
	Average	Single	Content (%)	P02	P04	Strength (N)	
	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℃~35℃ and 35%~65% respectively.

版权所有：©巨石集团有限公司 ©巨石集团有限公司及其注册商标