

Technical Data Sheet

Smart Roofer Mat

Smart Roofer Emulsion Chopped Strand Mat is made of randomly distributed chopped glass strands held together by an emulsion binder.

Smart Roofer Chopped Strand Mat is compatible with unsaturated polyester, vinyl ester, epoxy and phenolic resins.

Smart Roofer Chopped Strand Mat is designed for use in hand lay-up, filament winding, compression molding and continuous laminating processes. Its end-use applications include roofing, boats, bath equipment, automotive parts, chemical corrosion resistant pipes, tanks, cooling towers and building components.

Product features

Size	1040		1270		1524	
	Length, m	Weight, kg	Length, m	Weight, kg	Length, m	Weight, kg
16.5kg/33kg 450g/m ²	79.1	37	79.1	45	79.1	54
16.5kg/33kg 600g/m ²	59.3	37	59.3	45	59.3	54

- ◎ High tensile strength, allowing for use in hand lay-up process to produce large-area parts.
- ◎ No airborne fibre during operation
- ◎ Good wet-through and fast wet-out in resins, rapid air lease
- ◎ High mechanical strength of the composite product

Packaging

Each Emulsion Chopped Strand Mat is wound onto a paper tube which has an inside diameter of 90mm. Each roll is wrapped up in plastic film and then packed in a cardboard box. The rolls are stacked horizontally or vertically onto pallets. All pallets are stretch wrapped and strapped to maintain stability during transport.

Product Specifications

Property	Area Weight (%)	Moisture Content (%)	Size Content (%)	Breakage Strength(N)
Methods	ISO 3374	ISO 3344	ISO1887	ISO 3342
16.5kg/33kg 450g/m ²	±7.5	≤0.20	3.7(1±31%)	≥140
16.5kg/33kg 600g/m ²	±7.5	≤0.20	3.5(1±31%)	≥160

Storage

Unless otherwise specified, powder chopped strand mats should be stored in a cool, dry, water-proof area. It is recommended that the room temperature and humidity be always maintained at 15°C to 35°C and 35% to 65% respectively.

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