

P20 Powder Chopped Strand Mat is made of randomly distributed chopped E6 glass strands held together by an powder binder.

P20 is compatible with unsaturated polyester, vinyl ester, epoxy and phenolic resins.

P20 is designed mainly for use in the hand lay-up process and also suitable for use in filament winding, compression molding and continuous laminating processes. Its end-use applications include boats, bath equipment, automotive parts, chemical corrosion resistant pipes, tanks, cooling towers and building components.



### Product Features

- ◎ Soft mat, ease of manual tearing apart, good conformability
- ◎ Good wet-through and fast wet-out in resins, rapid air release reducing rolling out time and increasing productivity
- ◎ Low resin consumption
- ◎ High mechanical strength of the composite products
- ◎ Superior acid corrosion resistance

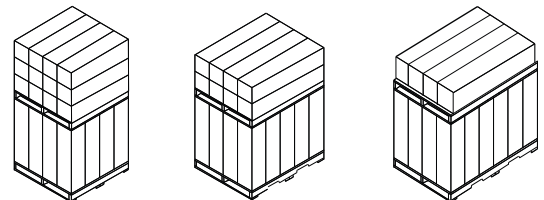
### Product Specifications

| Property | Area Weight (%) | Moisture Content (%) | Size Content (%) | Breakage Strength (N) |
|----------|-----------------|----------------------|------------------|-----------------------|
| Methods  | ISO 3374        | ISO 3344             | ISO1887          | ISO 3342              |
| EMC225   | ±7.5            | ≤0.20                | 4.5±1.5          | ≥60                   |
| EMC300   | ±7.5            | ≤0.20                | 3.5±1.1          | ≥90                   |
| EMC375   | ±7.5            | ≤0.20                | 2.8±0.9          | ≥100                  |
| EMC450   | ±7.5            | ≤0.20                | 2.5±0.8          | ≥120                  |
| EMC600   | ±7.5            | ≤0.20                | 2.4±0.8          | ≥150                  |
| EMC900   | ±7.5            | ≤0.20                | 2.1±0.6          | ≥200                  |

### Packaging

Each Powder Chopped Strand Mat is wound onto a paper tube which has an inside diameter of 90mm. The roll outside diameter is approximately 265mm. 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.

| Size   | 1040      |            | 1270      |            | 1524      |            |
|--------|-----------|------------|-----------|------------|-----------|------------|
|        | Length, m | Weight, kg | Length, m | Weight, kg | Length, m | Weight, kg |
| EMC225 | 119.7     | 28         | 119.7     | 34         | 119.7     | 41         |
| EMC300 | 96.2      | 30         | 96.2      | 37         | 98.2      | 44         |
| EMC375 | 76.9      | 30         | 76.9      | 37         | 76.9      | 44         |
| EMC450 | 79.1      | 37         | 79.1      | 45         | 79.1      | 54         |
| EMC600 | 59.3      | 37         | 59.3      | 45         | 59.3      | 54         |
| EMC900 | 39.5      | 37         | 39.5      | 45         | 39.5      | 54         |



### 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.