M123
Chopped Strand Mat for Hand Lay-up

This product is produced using Advantex® glass fiber. Advantex® glass fiber combines the electrical and mechanical properties of traditional E-glass with the acid corrosion resistance of E-CR glass.

PRODUCT DESCRIPTION
The M123 chopped strand mat is made with medium size strands of Advantex® Glass Roving, held together by a powder binder which is extremely soluble in styrene. The basic strand has a sizing system containing a silane coupling agent. This sizing system combined the binder properties make M123 suitable with epoxy, vinylester and anti-corrosion resins.

Advantex® glass is a patented glass formulation meeting ASTM D 578 as a boron-free corrosion resistant E-CR glass fiber and ISO 2078 recommendation for use in acid environments.

PRODUCT REFERENCE
Example : M123 300-130 1B
M123 : Owens Corning product code
300 : surface weight (g/m²)
130 : roll width (cm)
1B : number of trimmed edges (zero, one or two)

FEATURES AND PRODUCT BENEFITS
- Good drapability
- Good resistance to watering and chemical agents in anti-corrosion applications
- Easy impregnation
- Approved by Lloyd’s Register
- High tensile strength, suitable for filament winding or continuous laminating
- Approved by Det Norske Veritas
- Excellent clarity of the UP laminates
- Approved by Croatian Register

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

<table>
<thead>
<tr>
<th>WEIGHT (G/M²)</th>
<th>LOSS ON IGNITION (%)</th>
<th>MOISTURE - MAX VALUE(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>225 ± 20%</td>
<td>4.5 ± 40%</td>
<td></td>
</tr>
<tr>
<td>300 ± 20%</td>
<td>3.5 ± 40%</td>
<td>0.2</td>
</tr>
<tr>
<td>450 ± 20%</td>
<td>3.2 ± 40%</td>
<td></td>
</tr>
</tbody>
</table>

VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS
- Unbound edges
- Holes (> 40mm) or tears
- Dirt spots (greater than 5 mm)
- Unopened strands
- Accumulation of fiber (>40mm)

Each 100 m² roll of chopped strand mat section may contain at most six of the defects listed above.
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PRODUCT AVAILABILITY (ROLL CHARACTERISTICS)

Additional weights (from 80 to 900 g/m²) and widths (from 10 to 320 cm) are available upon request.

<table>
<thead>
<tr>
<th>STANDARD WEIGHT (G/M²)</th>
<th>STANDARD WIDTH (CM)</th>
<th>DIAMETER (CM)</th>
<th>LENGTH</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>130/125</td>
<td>40</td>
<td>220</td>
<td>86</td>
</tr>
<tr>
<td>450</td>
<td></td>
<td></td>
<td>150</td>
<td>88</td>
</tr>
<tr>
<td>600</td>
<td></td>
<td></td>
<td>110</td>
<td>86</td>
</tr>
</tbody>
</table>

A roll is considered to be complete if it measures more than 70% of the nominal length.

PACKAGING (STANDARD REF.)

- Each roll is wound on a cardboard tube (internal diameter 101 mm) and packaged in an individual cardboard box, 40 x 40 (L x W); the height is equal to the width of the mat.
- Nine standard rolls are packed vertically on a pallet, secured by shrink-wrap polythene. The pallet is wrapped with polyamide straps.

<table>
<thead>
<tr>
<th>MAT WIDTH (CM)</th>
<th>PALLET DIMENSIONS</th>
<th>NET PALLET WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(cm)</td>
<td>L x W x H (cm)</td>
<td>300 g/m²</td>
</tr>
<tr>
<td>130</td>
<td>120 x 120 x (130 + 17)</td>
<td>774</td>
</tr>
</tbody>
</table>

Special packaging: Strips are packed in cardboard boxes or palletized, according to the quantity.

LABELING

Each pallet shall bear two labels with this information: product reference, net and gross weight in kg, packaging and product code, identification code of the palletized unit, and production date.

STORAGE

The M123 mat should be stored in its original packaging in a dry and cool place. Best conditions are at temperature from 10 to 35°C and humidity between 35 and 85%. If you store the product at lower temperatures, please move the soon-to-be-processed pallets to the production area 24 hours ahead of time; remove part of the protective cover of each roll to prevent condensation. You can stock pallets one on one with a plywood plank between the two.

Contact

ChoppedStrandMats@owenscorning.com

OWENS CORNING
COMPOSITE MATERIALS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1.800.GET.PINK®
www.owenscorning.com
www.composites.owenscorning.com

EUROPEAN OWENS CORNING
FIBERGLAS, SPRRL.
166, CHAUSSEE DE LA HULPE
B-1170 BRUSSELS
BELGIUM
+32.2.674.82.11

OWENS CORNING
COMPOSITE SOLUTIONS BUSINESS
ASIA PACIFIC REGIONAL HEADQUARTERS
UNIT 01,02,05,39/F, PUDONG KERRY PARKSIDE,
1155 FANG DIAN ROAD, PUDONG, SHANGHAI
201204, CHINA
+86-21-6101 9666

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