M133
Chopped Strand Mat for PU panels

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 M133 chopped strand mat is made with medium size strands of Advantex® Glass, chopped at different lengths to improve the tensile strength and 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 with the binder properties make M133 suitable with PU 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 : M133 300-130 1ST
M133 : Owens Corning product code
300 : surface weight (g/m²)
130 : roll width (cm)
1ST : number of trimmed edges (zero, one or two)

FEATURES AND PRODUCT BENEFITS
- Good resin wet through
- High tensile strength
- Fast impregnation
- Good fibers’ bonding
- Good processability, unwinding and cutting

TECHNICAL CHARACTERISTICS (nominal values)

<table>
<thead>
<tr>
<th>WEIGHT (G/M²)</th>
<th>LOSS OF IGNITION (%)</th>
<th>MOISTURE – MAX VALUE(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 ± 20%</td>
<td>4.5 ± 40%</td>
<td></td>
</tr>
<tr>
<td>450 ± 20%</td>
<td>3.5 ± 40%</td>
<td></td>
</tr>
<tr>
<td>600 ± 20%</td>
<td>3.2 ± 40%</td>
<td>&lt;0.2</td>
</tr>
</tbody>
</table>

VISUAL CHARACTERISTICS or POSSIBLE DEFECTS
- Unbound edges
- Holes < 40 mm in diameter or tears
- Dirt spots < 5 mm
- Unsplit strands
- Fiber accumulations < 100 mm

Maximum number of visual defects for a 100 m² roll is 6.
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PRODUCT AVAILABILITY (ROLL CHARACTERISTICS)
Additional weights (from 225 to 900g/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 (cm)</th>
<th>WEIGHT (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td></td>
<td>125</td>
<td>220</td>
<td>86</td>
</tr>
<tr>
<td>450</td>
<td></td>
<td>39</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 wrapped up individually; the height is equal to the width of the mat.
- Number of rolls per pallet = 9.

<table>
<thead>
<tr>
<th>MAT WIDTH (cm)</th>
<th>PALLET DIMENSIONS</th>
<th>NET PALLET WEIGHT (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>120x120x(125+17)</td>
<td>300 g/m² 774</td>
</tr>
<tr>
<td></td>
<td></td>
<td>450 g/m² 792</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600 g/m² 774</td>
</tr>
</tbody>
</table>

- Special packaging: Strips are packed in cardboard boxes or palletized, according to the quantity.
  Rolls higher than 2 m are placed in a wooden cage.

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 M133 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

Advantex® glass is a patented glass formulation meeting ASTM D578 as a boron-free corrosion resistant E-CR glass fiber and ISO 2078 recommendation for use in acid environments.

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