PRODUCT INFORMATION

M113
Chopped Strand Mat for Hand-Lay Up

PRODUCT DESCRIPTION
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. The M113 chopped strand mat is made with low size strands of Advantex® Glass, 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 multi-purpose mat is used in numerous applications; this explains the extensive range of weights and widths available.

PRODUCT REFERENCE
Example :M113 300-130 1ST
M113 :OCV Reinforcements™ code for this chopped strand mat
300 :fiber weight (g/m²)
130 :roll width (cm)
1ST :number of trimmed edges (zero, one or two)

FEATURES AND PRODUCT BENEFITS
- Excellent compatibility with polyester resins, producing laminates with very high clarity (without any appearance of the strand pattern)
- Pending approval by Lloyd’s Register.
- Very high smoothness of the laminate surface with no visible strands
- Pending approval by Det Norske Veritas
- Excellent compatibility with vinylester and epoxy resins.

TECHNICAL CHARACTERISTICS (nominal values)

<table>
<thead>
<tr>
<th>WEIGHT (G/M²)</th>
<th>LOSS ON IGNITION (%)</th>
<th>MOISTURE (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 1889</td>
<td>ISO 1887</td>
<td>ISO 3344</td>
</tr>
<tr>
<td>100 ± 16%</td>
<td>10.5 ± 40%</td>
<td></td>
</tr>
<tr>
<td>150 ± 16%</td>
<td>8 ± 40%</td>
<td></td>
</tr>
<tr>
<td>300 ± 16%</td>
<td>4.5 ± 40%</td>
<td></td>
</tr>
<tr>
<td>450 ± 16%</td>
<td>3.5 ± 40%</td>
<td></td>
</tr>
<tr>
<td>600 ± 16%</td>
<td>3.2 ± 40%</td>
<td></td>
</tr>
</tbody>
</table>

Specifications on any individual 0.1 m² specimen.

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

Each 100 m² roll of chopped strand mat section may contain at most 6 of the defects listed above.

PRODUCT APPLICATION
- Good surface appearance
- Continuous laminating (translucent panels, exterior panels for truck trailers, sandwich panels, etc.)
- Anti-corrosion applications.
M113
Chopped Strand Mat for Hand-Lay Up

PRODUCT AVAILABILITY
All range of widths (between 10 and 320 cm) and weights are available. Most combinations of weights and widths can be supplied (may be subject to minimum order quantities, extended lead times and complementary widths).

<table>
<thead>
<tr>
<th>STANDARD WEIGHT (G/M²)</th>
<th>STANDARD WIDTH (CM)</th>
<th>DIAMETER (CM)</th>
<th>ROLL WEIGHT (KG)</th>
<th>PALLETT WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>130/125</td>
<td>39</td>
<td>82</td>
<td>740</td>
</tr>
<tr>
<td>450</td>
<td></td>
<td></td>
<td>84</td>
<td>759</td>
</tr>
<tr>
<td>600</td>
<td></td>
<td></td>
<td>80</td>
<td>720</td>
</tr>
</tbody>
</table>

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

PACKAGING
- Each roll is wound up 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</th>
<th>PALLETT DIMENSIONS</th>
<th>NET PALLET WEIGHT (KG)</th>
<th>PALLETT DIMENSIONS (L x W x H)</th>
<th>APPROXIMATE NET WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(cm)</td>
<td>(cm)</td>
<td></td>
<td>(cm)</td>
<td></td>
</tr>
<tr>
<td>126</td>
<td>120x120x142</td>
<td>702</td>
<td>738</td>
<td>702</td>
</tr>
</tbody>
</table>

- Number of rolls per pallet = 9 vertical - Pallet height is equal to mat width + 17 cm.
- The pallet is wrapped with polyamide straps.
- Special packaging: strips are packed in cardboard boxes of palletized according to the quantity.

LABELING
Each pallet has two identification labels detailing the product reference, the net and gross weights in Kg, packaging and product code, identification code of the palletized unit, production date.

STORAGE
The M113 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 stack pallets one on one with a plywood plank in between the two.