

## Product information

# Chopped Strand Mat

## Chopped Strand Mat emulsion EM 1002



### PRODUCT DESCRIPTION

Chopped strand mat is made from E-glass 50 mm choppeds. They are held together by an emulsion binder. The basic strands sizing contains a silane coupling system and excellent compatibility with UP resin. Products made of this mat are used in ship, boat building industry, transport and automotive, building and recreation. Emulsion mat EM 1002 is produced according to the requirements of Company Standard 04-WJ-00-004.

### PRODUCT REFERENCE

Example EM 1002/450/125

|         |                                                         |
|---------|---------------------------------------------------------|
| EM 1002 | KROSGLOSS S.A code for this emulsion chopped strand mat |
| 450     | Standard surface weight (density) [g/m <sup>2</sup> ]   |
| 125     | Standard width [cm]                                     |

### FEATURES OF THE GLASS MAT

- good tensile strength,
- easy handling,
- easy impregnation,
- low resin consumption,
- high mechanical properties of the laminate,
- Approved by:
  1. Lloyd's Register of Shipping
  2. Det Norske Veritas



#### KROSGLOSS SPÓŁKA AKCYJNA

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Sąd Rejonowy w Rzeszowie XII Wydział Gospodarczy Krajowego Rejestru Sądowego.  
Kapitał zakładowy: 23.500.000,- zł - całkowicie wpłacony.



## **TECHNICAL CHARACTERISTICS (NOMINAL VALUES)**

|                                                      | <b>Test method</b>                       | <b>300</b> | <b>375</b> | <b>450</b> | <b>600</b> | <b>700</b> | <b>900</b> |
|------------------------------------------------------|------------------------------------------|------------|------------|------------|------------|------------|------------|
| <b>Surface weight(density)<br/>[g/m<sup>2</sup>]</b> | ISO 3374:2000                            | ± 10%      | ± 10%      | ± 10%      | ± 10%      | ± 10%      | ± 10%      |
| <b>Loss on ignition[%]</b>                           | ISO 1887:1995                            | 4,0÷5,5    | 4,0÷5,5    | 4,0÷5,5    | 4,0÷5,5    | 4,0÷5,5    | 4,0÷5,5    |
| <b>Moisture content [%]</b>                          | ISO 3344:2000                            | max.0,25   |            |            |            |            |            |
| <b>Wet-out time [min]</b>                            | internal<br>instruction<br>ZKJ-IO-11-009 | max.6      | max.6      | max.7      | max.8      | max.8      | max.8      |
| <b>Breaking force [N]</b>                            | ISO 3342:2000                            | min.50     | min.50     | min.80     | min.100    | min.100    | min.100    |

## **POSSIBLE DEFECTS**

- excessive concentration of chopped strands in the form of „nests” of max. diameter 100 mm,
- scarcity of chopped strands in the form of „holes” of max. diameter 100 mm,

The total number of defects defined above should not exceed 8 pcs per one roll;

- 5 segments in an emulsion-binder mat roll, each segment 4 m long, at least.

## **PACKAGING (STANDARD REFERENCE)**

### ***Packaging***

Chopped Strand mat is wound on a cardboard tube (internal diameter 70mm).

Rolls of the chopped strand mat are packed into the polythene foil sleeve and then into the cardboard carton.

15 or 18 cartons with the chopped strand mat rolls are placed on a palette, 12 vertically and 3 or 6 horizontally.

The whole load is secured with the stretch foil against moving and damaging.

### ***Labeling***

Each roll chopped strand mat has label with information, as below:

- name and the address of the producer,
- type of the chopped strand mat,
- surface weight (density), width ,
- net and gross weight in kg,
- production date, production report number, identification number of the operator,

## **STORAGE**

Chopped strand mat should be stored in a dry and cool place.

Best conditions are at temperature from 10 do 35°C and humidity between 35 do 85 %.

If you store the product at lower temperatures, please move it to the production area at least 24 hours before processing, avoiding moisture concentration.



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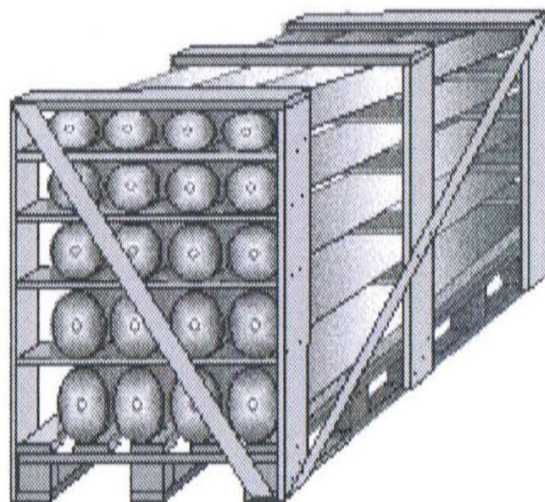


## **REQUIREMENTS, CUSTOMERS SPECIAL ORDERS**

Upon customer request chopped strand mat can be supplied in other widths between 20 do 260 cm.

Chopped strand mats with other parameters needed (length, width, weight) can be produced after both sides, producer and customer, special agreement.

| <b>COMMERCIAL DATA</b>                          |                  |            |            |            |            |            |
|-------------------------------------------------|------------------|------------|------------|------------|------------|------------|
| <b>Surface weight [g/m<sup>2</sup>]</b>         | <b>300</b>       | <b>375</b> | <b>450</b> | <b>600</b> | <b>700</b> | <b>900</b> |
| <b>Net mass of the unit pack [kg]</b>           | 45               | 45         | 50         | 50         | 45         | 45         |
| <b>Dimensions of cardboard cartons [mm]</b>     | 1290 x 320 x 320 |            |            |            |            |            |
| <b>Net mass of rolls on the palette [kg]</b>    | 675              | 675        | 750        | 750        | 675        | 675        |
| <b>Gross mass of the load with palette [kg]</b> | 720              | 720        | 795        | 795        | 720        | 720        |
| <b>Standard width [cm]</b>                      | 125              |            |            |            |            |            |



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