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	KROSGLASS S.A code for this emulsion chopped strand mat
450	Standard surface weight (density) [g/m^2]
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

KROSGLASS SPÓŁKA AKCYJNA
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NIP 684-22-22-371 REGON 370497790 KRS: 0000237389
Sąd Rejonowy w Rzeszowie XII Wydział Gospodarczy Krajowego Rejestru Sądowego.
Kapitał zakładowy: 23.500.000,- zł - całkowicie wpłacony.

TECHNICAL CHARAKTERISTICS (NOMINAL VALUES)

	Test method	300	375	450	600	700	900
Surface weight(density) [g/m^2]	ISO 3374:2000	± 10%	± 10%	± 10%	± 10%	± 10%	± 10%
Loss on ignition[%]	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
Moisture content [%]	ISO 3344:2000	max.0,25					
Wet-out time [min]	internal instruction ZKJ-IO-11-009	max.6	max.6	max.7	max.8	max.8	max.8
Breaking force [N]	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

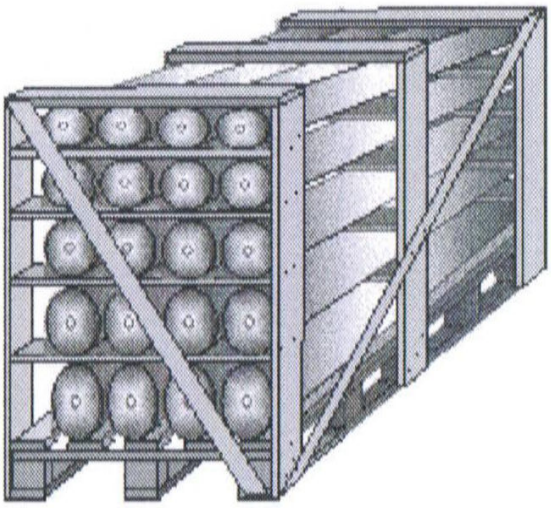
Chopped strand mat should be stored in a dry and cool place.
Best conditions are at temperature from 10 do 35°C and humidity between 35 do 85 %.
If you store the product at lower temperatures, please move it to the production area at least 24 hours before processing, avoiding moisture concentration.

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.

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



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