



M123

Chopped Strand Mat for Hand Lay-up

This product is made with Advantex® glass fibres. Advantex glass combines the excellent mechanical and electrical properties of traditional E-Glass with the acid corrosion resistance of E-CR-Glass. Advantex glass satisfies the requirements and description of both E-Glass and E-CR-Glass according to ISO 2078 and ASTM D 578.

PRODUCT DESCRIPTION

The M123 chopped strand mat is made with medium size strands of Advantex glass, held together by a powder binder which is 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, vinyl ester and anti-corrosion resins



PRODUCT REFERENCE

Example : M123 300-1040 1ST
M123 : OCV Reinforcements product code
300 : roll weight (g/m²)
1040 : roll width (Mm)
1ST : one trimmed edge
2ST : two trimmed edges
0ST : no trimmed edges, greatest widths only

PRODUCT APPLICATION

M123 mat is reinforcement for use with unsaturated polyester, vinyl ester resins in the hand lay-up process. It is ideal for applications such as Roofing sheets, Automobile components, boats, chemical tanks etc.

RECOMMENDED USE

Typical applications are those which require high glass content and good mechanical properties. M123 is ideal in applications requiring rapid impregnation and excellent wetting. M123 has excellent handling and tailoring properties as well as the ability to conform rapidly to even the most contoured molds.



M123

Chopped Strand Mat for Hand Lay-up

PRODUCTS AVAILABLE

Standard weight (g/m ²)	Roll characteristics			
	Standard width (cm)	Diameter (cm)	Length (m)	Weight (kg)
300	104	27	96	30
450			64	
600			48	

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

PHYSICAL CHARACTERISTICS

Weight (g/m ²)	Loss on ignition (%)	Moisture (%)	Tensile strength (daN)	Solubility in styrene (s)
ISO 3374 : 1990	ISO 1887 : 1980	ISO 3344 : 1977	ISO 3342 : 1987	ISO 2558 : 1974
300	3.5 ± 1.0	≤ 0.20	20	Max. 60
450	3.5 ± 1.0		25	
600	3.5 ± 1.0		25	

INDIVIDUAL AND BULK PACKAGING

INDIVIDUAL PACKAGING

- Each roll is wound on a cardboard tube of internal diameter 76mm.
- Wrapped in a polyethylene film and packed in a cardboard box having a 280x280mm section and an height equal to the mat width (+ around 20mm).

BULK PACKAGING

Width (mm)	Packaging type	Number of rolls	Pallet dimensions L x W x H (mm)	Net Weight (kg)
1040	4 x 4	16	1140 x 1140 x 1120	480.0



M123

Chopped Strand Mat for Hand Lay-up

STORAGE

Chopped Strand Mat M123 should be kept in their original packaging and stored in a sheltered area. The optimal conditions are :

- ⇒ Temperature between 10 and 45 °C inclusive,
- ⇒ Relative humidity level between 35% and 85 % inclusive.

Note : If the storage temperature is less than 15°C, it would be advisable to put the pallets in the processing area for 24 hours before use. This is to avoid condensation. It is recommended that products be consumed using a first in, first out method within 12 months of delivery.



COMPOSITE SOLUTIONS



Corporate office:

OCV Reinforcements

A-702, Alpha Towers

Hiranandani Garden

Powai, Mumbai – 400 076

Tel: +91 22 6668 1700