



## M6 CHOPPED STRAND MAT

This product is produced using Advantex® glass fiber. Advantex glass fiber combines the electrical and mechanical properties of traditional E glasses with the acid corrosion resistance of E-CR glass

### PRODUCT DESCRIPTION

M6 mat is made of randomly oriented chopped glass strands bonded together in mat form using an emulsion binder. The emulsion binder uniquely bonds the mat so that it conforms rapidly to highly contoured molds. It is a porous, well bonded mat which maintains its integrity

During the impregnation process and provides an uniform wet-through rate. The emulsion binder produces superior handling properties compared to powder bonded mats.

M6 is known for its excellent impregnation properties and its conformability.



### PRODUCT APPLICATION

M6 mat is reinforcement for use with unsaturated polyester, vinyl ester resins in the hand lay-up process. It is ideal for applications such as auto parts, boats, chemical tanks, swimming pools.

### RECOMMENDED USE

Typical applications are those which require high glass content and good mechanical properties. M6 is ideal in applications requiring rapid impregnation and excellent wetting. M6 has excellent handling and tailoring properties as well as the ability to conform rapidly to even the most contoured molds.

### IDENTIFICATION

Example: **M6 450-1040 1ST**

M6 : Code for emulsion bonded chopped strand mat  
450 : nominal mass per unit area (g/m<sup>2</sup>)  
1040: roll width (mm)  
1ST : one trimmed edge  
2ST : two trimmed edges  
0ST : no trimmed edges, greatest widths only



PRODUCTS AVAILABLE

Mass (g/m <sup>2</sup> )	Roll characteristics ( nominal )			
	Width (mm)	Diameter (mm)	Length (m)	Weight (kg)
225	1040	270	128	30
300			96	
450			64	
600			48	
900			32	

PHYSICAL CHARACTERISTICS

Characteristics	Method of Measurement	Individual Values			
		GSM	Nominal	Minimum	Maximum
1 Mass per unit area (g/m <sup>2</sup> )*	ISO 3374 : 1990	225	225	200	250
		300	300	270	330
		450	450	405	495
		600	600	540	660
2 Moisture Content (%)*	ISO 3344 : 1977	All	Every mass per unit area	-	0.30
3 Size Content (%)*	ISO 1887: 1980	225	3.50	2.25	4.75
		300, 450, 600, 900	3.50	2.5	4.5



## 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

### STORAGE

Chopped Strand Mat M6 should be kept in their original packaging and stored in a sheltered area. The optimal conditions are :

- ⇒ Temperature between 10 and 35°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



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