

Technical Data Sheet

Chopped Strands Mat

Hand lay-up molding

Product Description

Chopped Strands Mat are made from glass fiber coupled with a high styrene solubility powder binder. It has an excellent compatibility with polyester, epoxy and vinylester resins.

Product Application

Chopped Strands Mat are used in the hand lay-up process of molding composite parts for general use and is recommended for molding complexes parts.



Product Benefits

- Easy wet-through;
- Good tensile strength;
- High laminate translucency;
- Excellent mechanical properties;
- Compact and easy removal of bubbles;
- Perfect anti-corrosion applications.

Identification

Example:	MC450 x 140A
MC:	CPIC BRASIL description for chopped strands mat
450:	Nominal surface density (g/m ²)
140:	Width (cm)
A:	Trimmed sides (if applicable)



Technical characteristics

Product	Surface Density (g/m ²)	Loss on Ignition (%)	Moisture (%)
	ISO 3374	ISO 1887	ISO 3344
MC 300	300 ± 21	4,10 ± 0,58	≤ 0,20
MC 450	450 ± 32	3,50 ± 0,50	≤ 0,20
MC 600	600 ± 42	3,20 ± 0,96	≤ 0,20
MC(200) 300	300 ± 21	2,20 ± 0,20	≤ 0,20
MC(200) 450	450 ± 32	2,00 ± 0,20	≤ 0,20

Standard products available

Characteristics of Rolls				
Product	Width (cm)	Diameter (mm)	Length (m)	Net Weight (kg)
MC 300	140	285	118	50
MC 450	140	285	80	50
MC 600	140	285	60	50

- Any different width may be ordered as well as other nominal weight.
- One roll is considered complete if it measures 70% of nominal length.

Packaging

Each roll of Chopped Strands Mat is wound up to a cardboard tube (internal diameter 77mm) and packaged in a polyethylene tube and put over a wood pallet, all material is protected by a stretch film. The pallets can be mounted on vertical and horizontal. The packaging unit is the pallet.

Packaging	Width (cm)	Rolls per pallet	Pallet Dimension L x W x H (cm)
Vertical	140	16	114 x 114 x 162
Horizontal	140	07	147 x 114 x 75

Storage

Chopped Strands Mat should be kept in their original packaging and stored in a sheltered area. The optimal conditions are temperature between 15 and 35° C inclusive and relative humidity level between 35 and 65% inclusive. If these storage specifications are followed, the product shall not suffer any significant changes even if kept for a long-term period.

CPIC BRASIL recommends that products be consumed using a first in, first out (FIFO) method.

Integrated Management System Certifications:

ISO9001**ISO14001****ISO45001**