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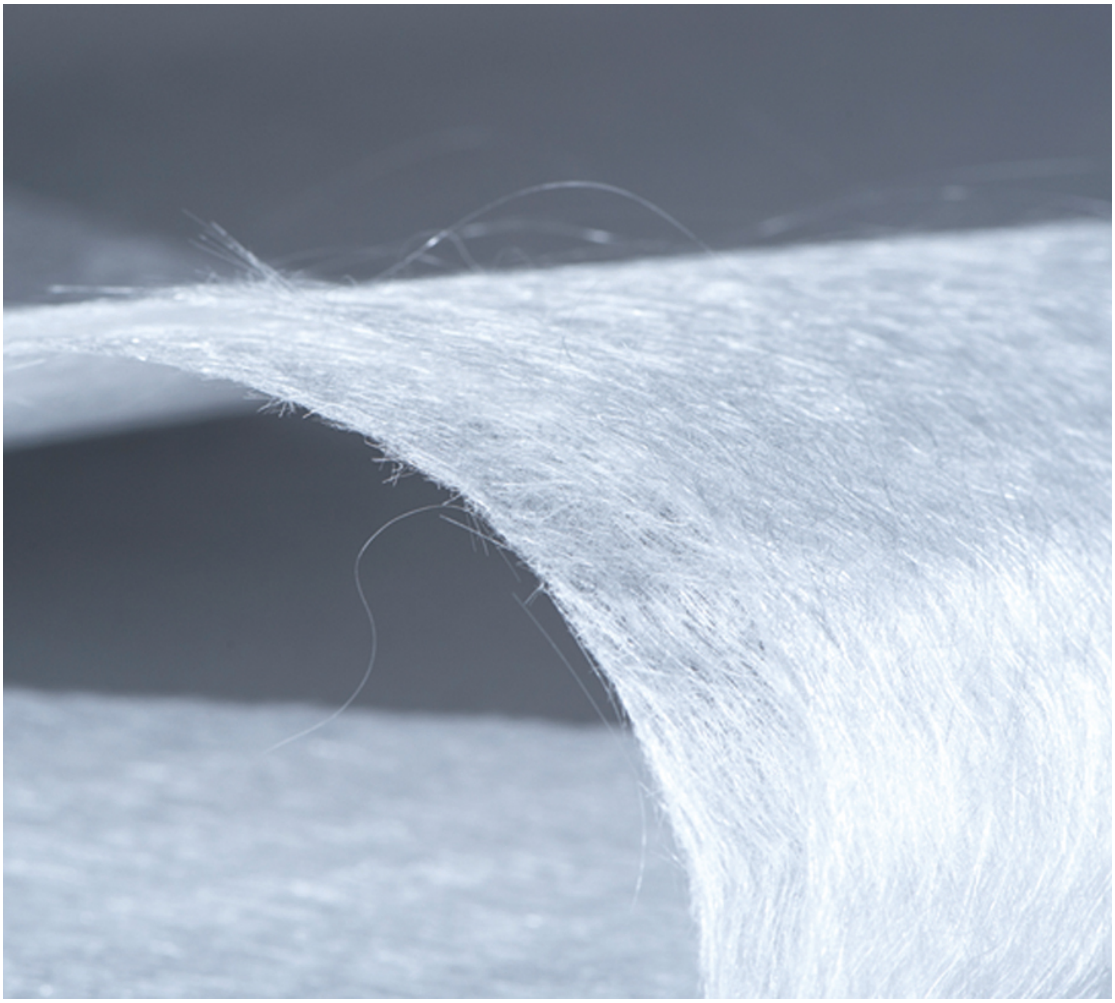
Continuous Filament Mat

Product Description:

Continuous Filament Mat is made of continuous fiberglass strands randomly looped in multiple layers. The glass fibre is equipped with a silane coupling agent that is compatible with Up， Vinyl ester and epoxy resins etc and the layers held together with a suitable binder. This mat can be manufactured in many different areal weights and widths as well as in large or small quantities.

Mainly offers two groups of CFM: CFM for pultrusion and CFM for close molds. Both groups provide end-users with different controls over rigidity, conformability, handling, wet-out and a range of tensile strengths.

CFM also can be applied in polyurethane foaming process.



CONTINUOUS FILAMENT MAT For Pultursion

DESCRIPTION

The CFM95 Series products are ideally suited for manufacture of profiles by pultrusion processes. This mat is characterized as having fast wet-through, good wet-out, good conformability, good surface smoothness and high tensile strength.

FEATURES and BENEFITS:

- High mat tensile strength, also at elevated temperatures and when wetted with resin, Can meet fast throughput production and high productivity requirement
- Fast wet-through, good wet-out
- Easy processing (easy to split into various width)
- Outstanding transverse and random direction strengths of pultruded shapes
- Good machinability of pultruded shapes

PRODUCT CHARACTERISTICS

Product Name	[1]Weight g/m2	Linear Weight of Basic Filaments (TEX)	Solubility in Styrene	Tensile Strength (N)	Loss On Ignition (%)	Resin compatibility	Moisture Content (%)	[2]Width (CM)
CFM955-225	**225**	**25**	**Very Low**	**70**	**6**	**UP/VE/EP**	**0.2**	**185**
CFM955-300	**300**	**25**	**Very Low**	**100**	**5.5**	**UP/VE/EP**	**0.2**	**185**
CFM955-450	**450**	**25**	**Very Low**	**140**	**4.6**	**UP/VE/EP**	**0.2**	**185**
CFM955-600	**600**	**25**	**Very Low**	**160**	**4.2**	**UP/VE/EP**	**0.2**	**185**
CFM955-900	**900**	**25**	**Very Low**	**270**	**3.8**	**UP/VE/EP**	**0.2**	**185**
[3]CFM956-225	**225**	**25**	**Very Low**	**130**	**8**	**UP/VE/EP**	**0.2**	**185**
CFM956-300	**300**	**25**	**Very Low**	**140**	**6.5**	**UP/VE/EP**	**0.2**	**185**
CFM956-450	**450**	**25**	**Very Low**	**140**	**5.5**	**UP/VE/EP**	**0.2**	**185**
[4]CFM885-225/V45	**270**	**25**	**Very Low**	**280**	**6**	**UP/VE/EP**	**0.2**	**185**

(1)other weights available upon request
(2)other widths available upon request
(3)CFM956: stiff version for an improved tensile strength
(4)Combo Mat: CFM+PES Veil

CONTINUOUS FILAMENT MAT For Closed Molds

Description
CFM98 series CFM was ideally suited for the infusion, RTM, S-RIM and compression processes. The CFM has outstanding flow characteristics and can be used as reinforcement and/or as a resin flow media between layers of fabric reinforcement.

FEATURES and BENEFITS:

- Outstanding resin flow characteristics
- High wash resistance
- Good conformability
- Easy unrolling, cutting and handling

PRODUCT CHARACTERISTICS

Product Name	[1]Weight g/m2	Linear Weight of Basic Filaments (TEX)	Solubility in Styrene	Loss On Ignition (%)	Resin compatibility	Moisture Content (%)	[2]Width (CM)
CFM985-225	**225**	**25**	**Low**	**5**	**UP/VE/EP/PU**	**0.2%**	**200**
CFM985-300	**300**	**25**	**Low**	**5**	**UP/VE/EP/PU**	**0.2%**	**200**
CFM985-450	**450**	**25**	**Low**	**5**	**UP/VE/EP/PU**	**0.2%**	**200**
CFM985-600	**600**	**25**	**Low**	**5**	**UP/VE/EP/PU**	**0.2%**	**200**
CFM983-300	**300**	**25**	**Low**	**3**	**UP/VE/EP/PU**	**0.2%**	**200**
[3]CFM981-450	**450**	**25**	**Low**	**0.9**	**PU**	**0.2%**	**200**

(1)other weights available upon request

(2)other widths available upon request

(3)CFM981: with very low binder content, can be evenly dispersed in PU matrix during foam expansion; an ideal reinforcement material for LNG carrier insulation.

PACKAGING

1. Inner core: 3"" (76.2mm) or 4"" (102mm) with thickness not less than 3mm.
2. Each roll & pallet is wound by protective film individually.
3. Each roll & pallet carries an information label with traceable bar code & basic data as weight, number of rolls, manufacture date etc.

STORAGING

1. Ambient condition: a cool & dry warehouse is recommended for CFM.
2. Optimal storage temperature: 15℃ ~ 35 ℃.
3. Optimal storage Humidity: 35% ~ 75%.
4. Pallet stacking: 2 layers are maximum as recommended.
5. Prior to use, mat should be conditioned in the worksite for 24 hours at least to optimize performance.
6. If contents of a package unit are partically used, the unit should be closed before next use.