GEFiM

COMPOSITES SOLUTION

GE.FIM ha sede a Pesaro e opera all'interno di due strutture produttive di 3000 mq e di 1000 mq e possiede una distaccata sede logistica di 300 mq.

GE.FIM rappresenta la passione e l'esperienza imprenditoriale di persone dinamiche ed affidabili.

L'azienda è diretta personalmente dai titolari che sono assistiti da responsabili di settore e tecnici dotati di un solido bagaglio professionale e di indiscutibile serietà.

La struttura aziendale é estremamente moderna e tecnologicamente avanzata per garantire così una elevata affidabilità aziendale.

L'approccio completamente innovativo verso la clientela e l'impegno costante al miglioramento continuo, hanno assicurato alla GE.FIM una crescita costante delle proprie capacità e conoscenze, affermandosi velocemente sul mercato nautico, eolico ed automobilistico.

Per offrire un servizio completo ai propri partners GE.FIM ha creato 3 grandi divisioni:

DIVISIONI

- DIVISIONE COMPOSITI
  fornitura consumabili per compositi
- DIVISIONE KITTING
  lavorazione di taglio kit
- DIVISIONE MODELLI, STAMPI E COMPONENTI
  fornitura di modelli, stampi e componenti in vtr

GE.FIM is based in Pesaro, on the Italian Adriatic coast, and operates out of two production facilities of 3000 and 1000 square metres respectively in addition to a 300 square metre logistics hub.

GE.FIM well represents the passion and entrepreneurial experience of a dynamic and reliable team of professionals.

Directly managed by the owners, the company relies on a team of managers and specialists with a reliable and solid professional background.

Extremely modern and technologically advanced, the company structure guarantees high levels of expertise and reliability.

A totally new and innovative approach to customer care and the constant commitment to ongoing improvement and development, have earned GE.FIM a consistent growth in skills and knowledge, quickly establishing itself on the nautical, wind energy and automotive markets.

In order to offer a complete service to its partners, GE.FIM has created 3 large divisions:

DIVISION

- COMPOSITE DIVISION
  supply of materials for composites
- KITTING DIVISION
  kit cutting supply
- DIVISION MASTER PLUG, MOLDS AND COMPONENTS
  supply of master plugs, molds and fiberglass components

Improve and develop upon the excellence that has distinguished the company so far, guaranteeing and maintaining the maximum level of expertise, quality, safety and flexibility.

COMPOSITE DIVISION

L'azienda è produttrice e distributrice di una vasta gamma di prodotti consumabili per il settore dei materiali compositi del mercato nautico, eolico ed automotive.

Propone tutti i tipi di materiali di consumo e di insacco utilizzati per lo stampaggio del sottovuoto, infusione sottovuoto e autoclave.

I clienti possono richiedere articoli personalizzati e kit quali, vacuum bagging film, spiraline incalzettate, peel ply, mesh, tessuti in fibra di carbonio.

L'articolo può essere tagliato e confezionato in scatole pronte per l'uso a seconda delle specifiche del cliente.

GE.FIM si occupa della logistica e della distribuzione garantendo il rispetto dei tempi di consegna grazie alla costante disponibilità delle merci nel proprio magazzino.

The company manufactures and distributes a wide range of consumables designed to cater for the needs of the composite market as well as the nautical, wind power and automotive sectors, including bagging materials used for vacuum moulding, vacuum infusion and autoclave processes.

Customers can request customized items and kits such as, vacuum bagging films, spiral nets, peel ply, resin flow mesh and carbon fibres.

The requested items can be cut and packaged in ready-to-use boxes according to customer specifications.

GE.FIM takes care of the logistics and distribution side of the business ensuring the respect of delivery times thanks to a constant availability of goods in its warehouse.

PRODUCT RANGE

- Vacuum bagging films all temperatures
- Release films all temperatures
- Resin flow mesh
- Dualmesh
- Triplex
- Peel ply
- Diamond embossed film
- Bleeders
- Combo vacutech
- Resin absorber
- Carbon fiber
- Spiral tubes
- Spiraltraps
- Tubular mesh
- Resin stopper
- Spray glue
- Sealant tapes
- Adhesive tapes
- LDPE pipes
- Infusion plugs
- Connectors
- Silicone hose and sockets
- Vacuum valves
- Vacuum gauge
- Resin traps
- Extractors
- Hose clamp

GEFiM
COMPOSITES SOLUTION

VACUUM TECHNOLOGY

PRODUCT RANGE

BAGGING FILMS

Item code	Max. temp.	Format	Use with resin	Process		
GFM-1VB051-GR	120°c	Sheet, V Sheet, Tube, Gusseted, Centrally Slit	E | PE | VE	☑	☒	☒
GFM-1VB001-OR	180°c	Sheet, V sheet, Tube, Gusseted	E | PE | V | PH	☑	☑	☑
GFM-1VB001-BL	177°c	Sheet, V Sheet, Tube, Gusseted, Centrally Slit	E | PE | V | PH	☑	☑	☒
GFM-1VB601-YL	177°c	Sheet, V Sheet, Tube, Gusseted, Centrally Slit	E | PE | V	☑	☑	☒
GFM-1VB801-VL	170°c	Sheet, V Sheet, Centrally Slit	E | PE | V | PH	☑	☑	☑
GFM-1VB531-PK	204°c	Sheet, V Sheet, Tube	E | PE | V	☑	☑	☑
GFM-1VB341-V	204°c	Sheet, V Sheet, Tube	E | PE | V | PH	☑	☑	☑
GFM-1VB731-OR	212°c	Sheet, V Sheet, Tube	E | PE | V	☑	☑	☑
GFM-1VB031-GR	205°c	Sheet, V Sheet, Tube	E | PE | V	☑	☑	☑
GFM-1SRB461-GR	160°c	Tube, Gusseted tube	E | PH	☑	☑	☑
GFM-1R761-GALETS	158°c	Sheet	E | PE | V	☑	☑	☑
GFM-1R102-GEMB	114°c	Sheet	E | PE | V	DEBULKING		

CAPTION

Infusion Oven Autoclave


Sheet


V sheet


Tube


Gusseted

Gussetted Centrally slit

E : Epoxy | PE : Polyester | V : Vinylester | PH : Phenolic

BAGGING FILMS

• **LOW** TEMPERATURE

GFM-1VB051-GR

GREEN | 1,2 - 42 m | 75 µm | 80 µm | Max. 120°c

GFM-1VB051-GR is a puncture resistant extruded polyethylene and nylon based film, designed for the production of polyester / vinylester resin infused components for wind energy, marine and general composite industries.

• **MEDIUM** TEMPERATURE

GFM-1VB001-OR

ORANGE | 86 - 3500 mm tube or V Sheet
2400 - 6000 mm gusseted. | 50 µm | 65 µm
75 µm | Max. 180°c

GFM-1VB001-OR is a highly flexible orange multilayer nylon vacuum bagging film suitable for advanced composite curing processing and laminated security glass. GFM-1VB001-OR is suitable for phenolic contact.

GFM-1VB001-BL

BLUE | 4 | 6 | 8 | 10 | 12 m | 50 µm | 65 µm
70 µm | 75 µm | Max. 177°c

GFM-1VB001-BL is a tough, high temperature resistant blue coloured co-extruded nylon- based vacuum bagging film, designed for use in the production of advanced composite structures for instance in wind energy and marine industry. GFM-1VB001-BL thanks to it's own structure, works very well in infusion process when exothermic reactions can appear

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BAGGING FILMS

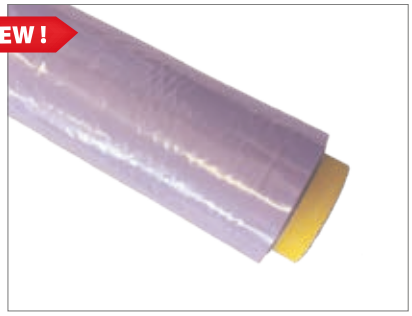
GFM-1VB601-YL

YELLOW | Up to 8.5 m | 50µ | 65µ | 75µ | Max. 177°c

GFM-1VB601-YL vacuum bagging film is a tough, high temperature resistant co-extruded nylon-based material designed for use in the production of advanced composite structures such as wind turbine blades and nacells, boat hulls and decks, plus other industrial structures.

GFM-1VB801-VL

NEW !



VIOLET | Up to 6 m | 50µ | Max. 170°c

GFM-1VB801-VL is a light-violet coloured highly flexible multilayer nylon vacuum bagging film, designed for processing of advanced composite structures and laminated security glass. The film is ideal for use in both oven and autoclave cures, up to a maximum recommended temperature of 170°C and a maximum recommended pressure of 8 bars. Key benefits of this film are its high elongation and flexibility.

• **HIGH** TEMPERATURE

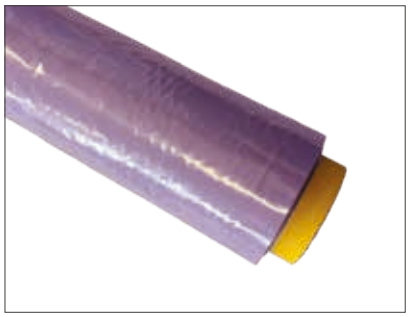
GFM-1VB531-PK

PINK | up to 2000 mm tubolar
2000 - 4000 mm V-sheet | 50 µm | Max. 204°c

GFM-1VB531-PK is a soft and flexible mononylon vacuum bagging film suitable for oven and autoclave cure temperatures up to 204 °C.

BAGGING FILMS

GFM-1VB341-V



VIOLET | Up to 3500mm Tube 7000mm V-Sheet | 50 µm | Max. 204°c

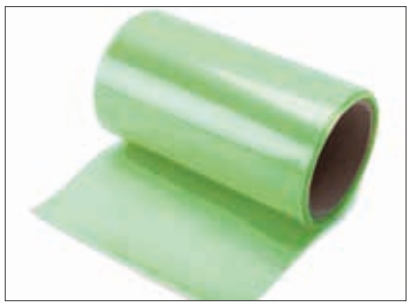
GFM-1VB341-V is a violet coloured coextruded mononylon vacuum bagging film, engineered to enhance softness at a maximum level.

GFM-1VB731-OR

ORANGE | Up to 2000 mm Tube 2000 - 4000 mm V-Sheet | 50µ | 75µ | Max. 212°c

GFM-1VB731-SB is a sky blue coextruded mono-nylon film with enhanced softness, suitable for phenolic prepregs up to 140°c and with epoxies up to 212°C.

GFM-1VB031-GR



GREEN | Up to 3000 mm tube 3000/6000 mm V sheet | 50 µm | 75 µm | Max. 205°c

GFM-1VB031-GR is a flexible, high strength mononylon vacuum bagging film in green colour suitable for oven and autoclave cure temperatures up to 205°C.

NEW ! Available in 25mm, 50mm, 75 mm layflat tube.

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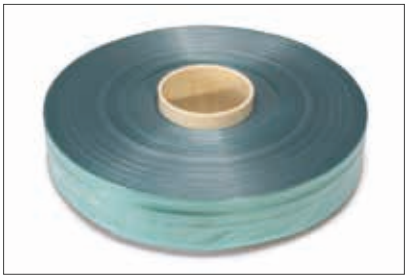
• SELF RELEASE FILMS

GFM-SRB461-GR



GREEN | 50 - 800 mm tube | 70µ | 100µ | Max. 160°c

GFM-SRB461-GR is a self releasing multilayer nylon/polyolefin vacuum bagging film designed for processing of hollow advanced composite structures where easy removal of the bag following the cure is desirable to as to avoid damage to the component.

NEW ! Available in easy to fit gusseted tube.

• EMBOSSED FILMS

GFM-1R761-GALETS

PINK | 1500 mm sheet width | 50 µm | Max. 158°c

GFM-1R761-GALETS is a pink coloured release film designed for resin infusion and prepreg applicaton. The film is compatible with all commonly used resin systems. The film is embossed and features a “galets” pattern, to speed up the air extraction in debulking operations.

GFM-1R102-GEMB

LIGHT GREEN | Up to 1800 mm | 80 µ | Max. 114°c

GFM-R102-GEMB is a light green coloured diamond-pattern embossed coextruded LDPE release film to be used with prepreg materials. Suitable to protect prepregs layups and to separate prepreg layers on the ply cutter when kitting. The modified surface structure speeds up the air extraction during debulking operation.

DEBULKING

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RELEASE FILMS

Item code	Max. temp.	Perforations	Use with resin
GFM-1R002-OR	127°c	P3 | P16 | P31 | NP	E | PE | V
GFM-1R302-SB	127°c	P3 | P16 | P31 | NP	E | PE | V
GFM-1R212-YL	150°c	P3 | P6 | P16 | P31 | NP	E | PE | V
GFM-1R761-PK	158°c	P3 | NP	E | PE | V
GFM-1R006PMP-RD	200°c	P3 | P6 | NP	E | PE | V
GFM-1R009FEP-RE	260°c	P3 | P6 | NP	E | PE | PH
GFM-1R109ETFE-BL	230°c	P3 | P6 | NP	E | PE | V

• **PERFORATIONS** SPECIFICATIONS

Process	NP	P3	P6	P16	P31
				●	●
	●	●	●		
	●	●	●		

CAPTION

 Infusion  Oven  Autoclave

E : Epoxy | PE : Polyester | V : Vinylester | PH : Phenolic

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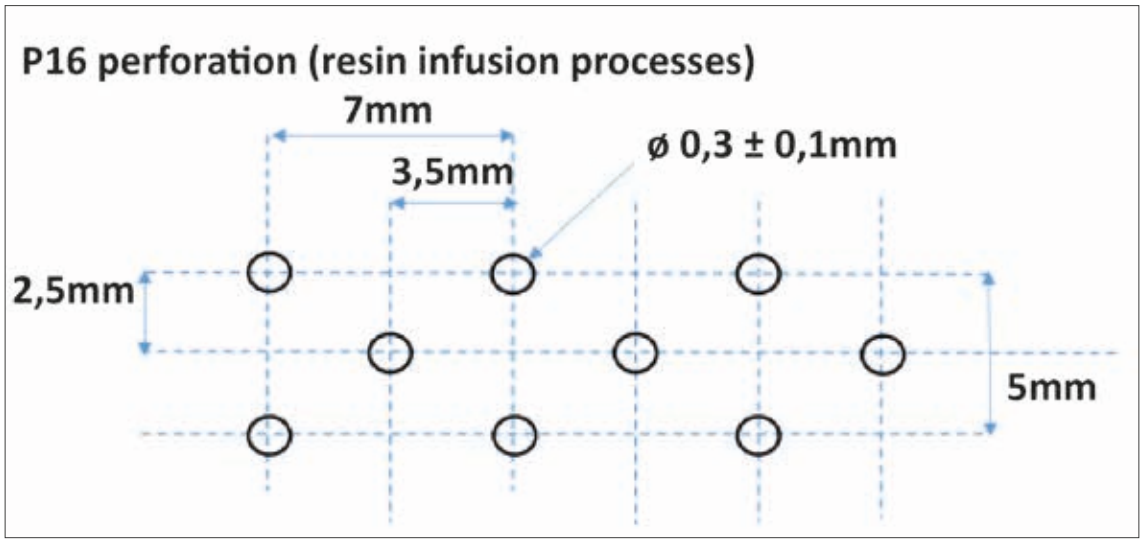
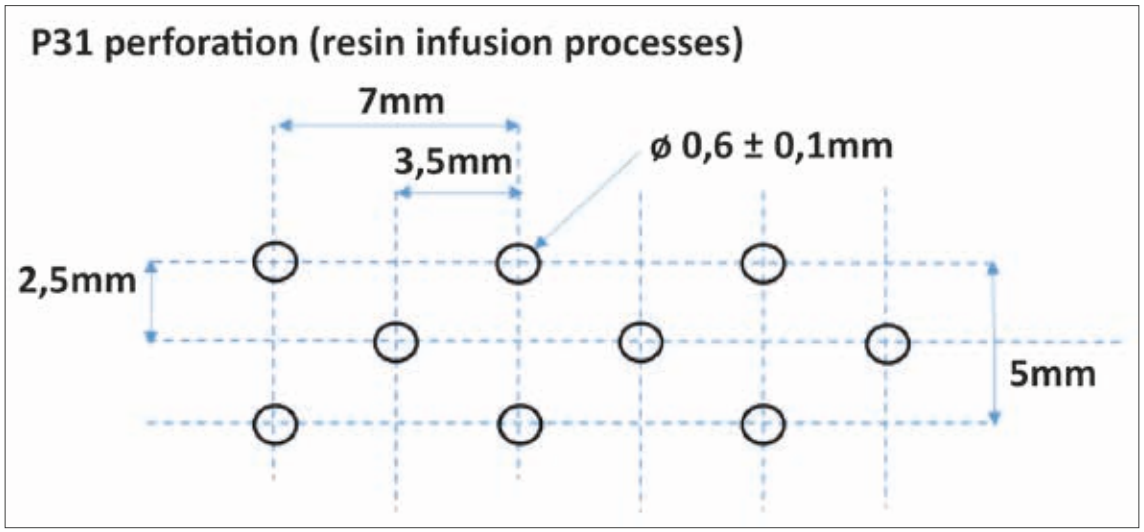
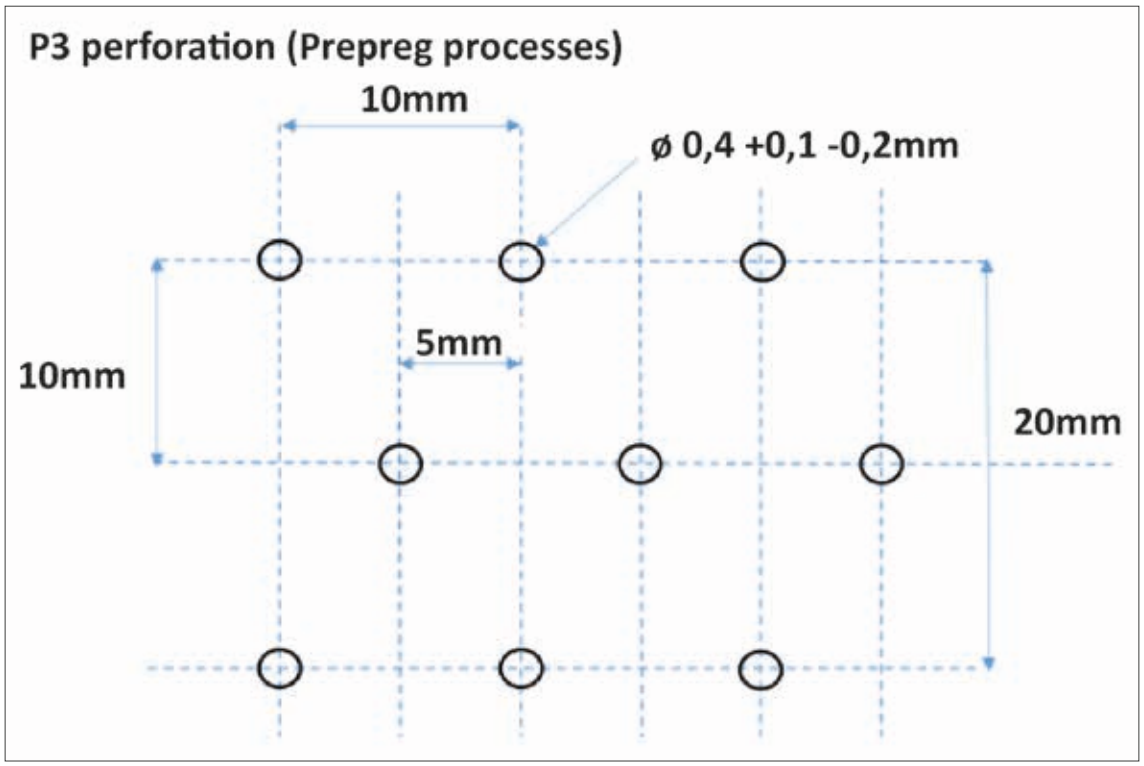
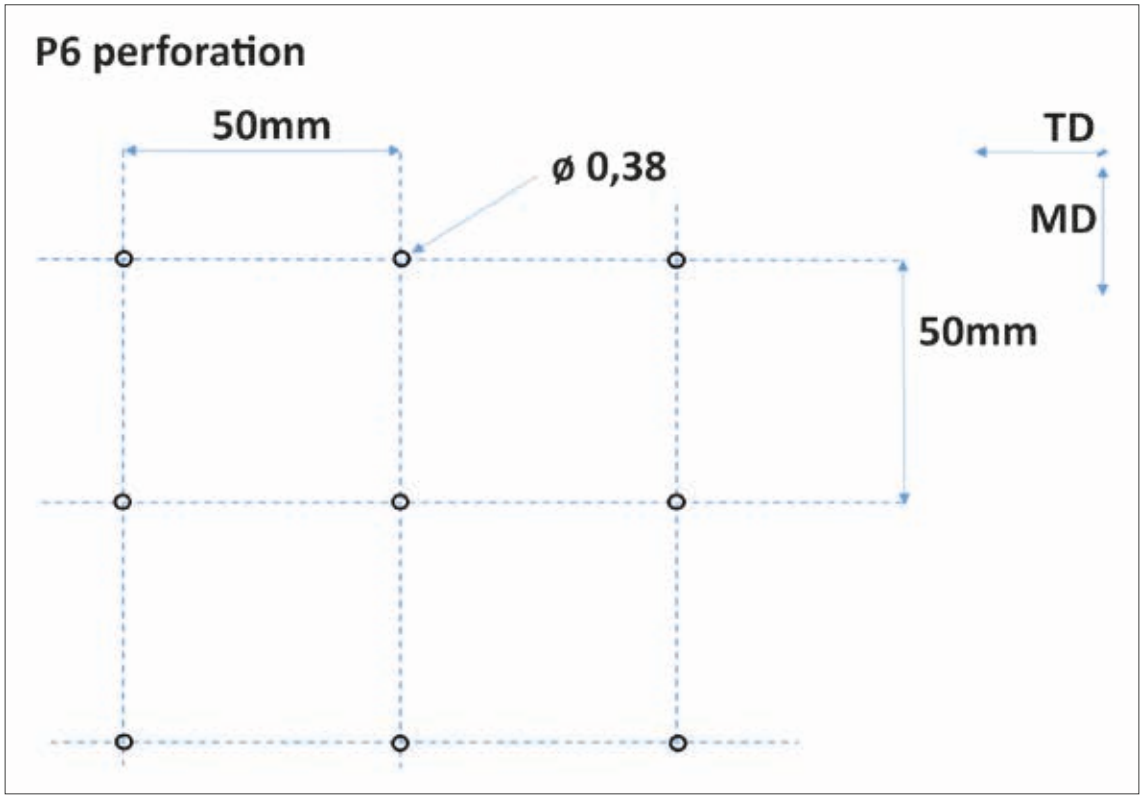
• **RESIN INFUSION PROCESS** PERFORATIONS





• **OVEN AND AUTOCLAVE PROCESS** PERFORATION





• **LOW** TEMPERATURE

GFM-1R002-OR

ORANGE

P3
P16
P31
NP

500 m

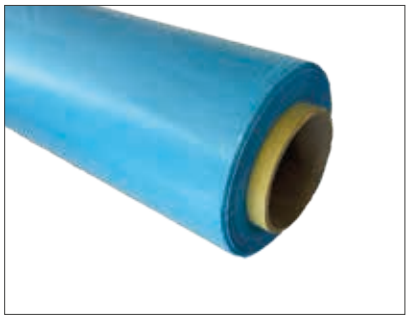
1450 mm

25 µm

Max. 127°c

GFM-1R002-OR is obtained through hot needle perforation process and used in vacuum infusion process. Good stiffness and high tensile strength.

GFM-1R302-SB



SKY BLUE

P3
P16
P31
NP

250 m

1500 mm

28 µm

Max. 127°c

GFM-1R302-SB is obtained through hot needle perforation process and used in vacuum infusion process. Enhanced mechanical properties and high tensile strength.

• **MEDIUM** TEMPERATURE

GFM-1R761-PK

PINK

P3
P6
P31
P16
NP

250 m

1500 mm

30 µm | 50 µm
75 µm

Max. 158°c

GFM-1R761-PK is a pink release film suitable for both resin infusion and prepreg processing. This product is compatible with all commonly used resin systems.
In the non perforated version can work as self-releasing vacuum bagging film in debulking operations.

RELEASE FILMS

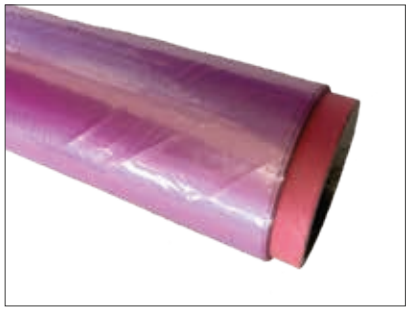
GFM-1R212-YL

YELLOW	P3 P31 P16 P6 NP	250 m	150 cm	30 µm | 45 µm 50 µm	Max. 150°c

GFM-1R212-YL is a medium temperature, highly flexible release film, suitable for use with epoxy prepeg up to 150°C as well as in resin infusion applications with a wide range of resin systems.

• **HIGH** TEMPERATURE

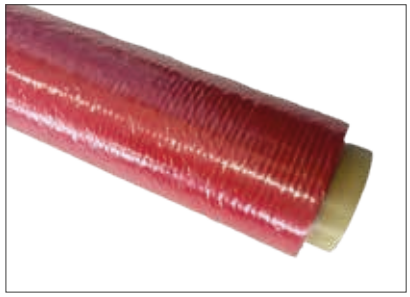
GFM-1R006PMP-PK



PINK	P3 P6 NP	250 | 500 m	1500 mm	30 µm	Max. 200°c

GFM-1R006PMP-PK is a polymethylpentene (PMP) release film suitable for processing advanced composite components in autoclave. It features extremely good release properties and is ideal for use on a flat or single curvature mouldings.

GFM-1R009FEP-RE



RED	P3 P6 NP	305 m 153 m	1220 mm 1530 mm	13 µm | 20 µm 25 µm	Max. 260°c

GFM-1R009FEP-RE is a high temperature FEP release film suitable for processing advanced composite components in autoclave. This film is compatible with all prepreg systems (including epoxy, polyester, BMI and phenolic), due to its high thermal stability. GFM-1R009FEP-RE guarantees a smooth finish.

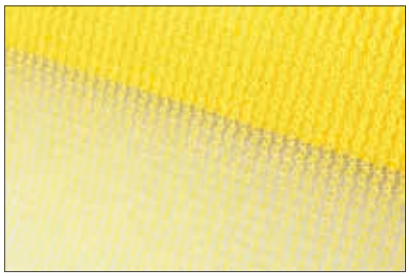
GFM-1R109ETFE-BL

BLUE	P3 P6 NP	153 m	1530 mm	15 µm | 20 µm 25 µm	Max. 230°c

GFM 109 - nn is the standard film for high temperature curing of advanced composite structures. Its high strength and toughness, coupled with excellent release properties make it ideal for use with all commonly used resin systems in both oven and autoclave cures.

RESIN FLOW **MESH**

GFM-1INFUMESH-YL125



YELLOW	120 gr/m²	100 m customizable	1500 mm	120°c

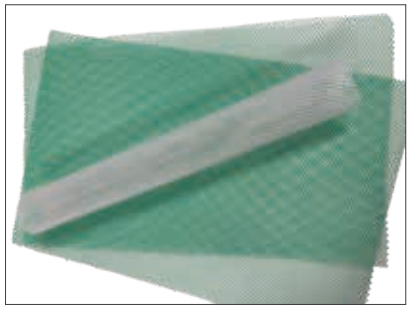
GFM-1INFUMESH-YL125 Is recommended for vacuum infusion technology and similar processes. It is compatible with all types of resin and it's high level of drapability makes it suitable for use even on complex surfaces. Can be used in vacuum moulding process in order to precompact the prepregs.

GFM-1INFUMESH-BL135

BLUE	135 gr/m²	100 m customizable	1500 mm customizable	120°c

GFM-1INFUMESH-BL135 Is a medium flow knitted mesh used for resin infusion and similar processes. Compatible with all types of resin, it's high drapability makes it suitable for use even on complex surfaces.

GFM-1ED-GR11-H810X100



TRANSLUCENT	GREEN	110 gr/m² customizable	100 m customizable	810 mm	120°c

Extruded mesh green or translucent helps to efficiently distribute resin and reduce wasting resin during the process. This mesh can be used with polyester , vinylester and epoxy resins. Resins flows more easily throughout lay-up.

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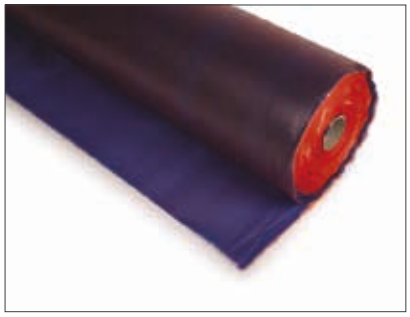
COMBI-**MESH**

GFM-1DMP31-YL1450 -100

YELLOW AND ORANGE	170 gr/m² customizable	100 m customizable	1450 mm	Max. 120°c

Dualmesh light provides highly conformable resin distribution and persistant air evacuation during vacuum assisted resin infusion processes, thanks to the special knitted pattern of the HDPE net and the P31 perforation of the HDPE film. Its inherent flexibility makes it perfect for use in complex designed moulds.

GFM-1DMP31-BL1540-100



BLUE AND RED	190 gr/m²	100 m customizable	1450 mm	Max. 120°c

Dualmesh provides highly conformable resin distribution and persistant air evacuation during vacuum assisted resin infusion processes, thanks to the special knitted pattern of the HDPE net and the P31 perforation of the HDPE film. Its inherent flexibility makes it perfect for use in complex designed moulds.

GFM-1DMP31-YL1450-100HS

NEW !

YELLOW AND RED	175 gr/m²	100 m customizable	1450 mm	Max. 120°c

Heat Sealed combo mesh provides highly conformable resin distribution and persistant air evacuation during vacuum assisted resin infusion processes. Lighter and high performance version thanks to the special combination obtained through heatsealing process.

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COMBI-**MESH**

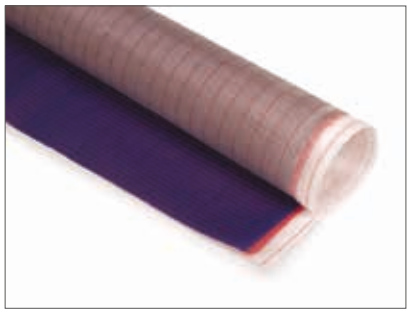
GFM-1DMP31-BL1450-100HS

NEW !

BLUE AND ORANGE	175 gr/m²	100 m customizable	1450 mm	120°c

Heat Sealed combo mesh provides highly conformable resin distribution and persistant air evacuation during vacuum assisted resin infusion processes. Lighter and high performance version thanks to the special combination obtained through heatsealing process.

GFM-1TRBL-PP1520-100



WHITE BLUE AND RED	190 gr/m²	100 m customizable	1520 mm	120°c

Triplexmesh provides highly conformable resin distribution and persistant air evacuation during vacuum assisted resin infusion processes, thanks to the special knitted pattern of the HDPE net the P31perforation of the HDPE film and peel ply. Its inherent flexibility makes it perfect for use in complex designed moulds.

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COMBI-**BLEEDER**

GFM-1VACUTECH

	g/m²				Max.
ORANGE AND WHITE	customizable	25 µm	50 | 100 m	1500 mm	120°c
SKY BLUE AND WHITE	customizable	28 µm	50 | 100 m	1500 mm	127°c
YELLOW AND WHITE	customizable	30 µm	50 | 100 m	1500 mm	150°c

GFM-1VACUTECH drains and protects silicone tools bleeding gasses and excess resin during low temperature infusion and autoclave processing.

GFM-1BLDW

	g/m²			Max.
WHITE	100 gr/m² 120 gr/m² 150 gr/m² 230 gr/m² 300 gr/m² 400 gr/m²	100 m 100 m 100 m 50 m 50 m 50 m	1500 mm 1500 mm 1500 mm 1500 mm 1500 mm 1500 mm	200°c 200°c 200°c 200°c 200°c 200°c

Bleeder is a 100% polyester bleeder of the highest quality able to adapt to the most complex laminate shapes. Thanks to its excellent ventilation, that can withstand vacuum and autoclave pressure processing.

GFM-1GCORE

	g/m²			
WHITE	55 gr/m² 80 gr/m² 105 gr/m² 125 gr/m²	2 mm 3 mm 4 mm 5 mm	80 m 50 m 40 m 30 m	1000 mm 1000 mm 1000 mm 1000 mm

Ge.fim G-CORE is a non-woven core material made of foamed micro hollow pearls and asserted with short fibres. After impregnation with polyester resin the nonwoven becomes smooth and formable. Suitable as a core layer in glass fibre-polyester-laminates. The G-Core optimized resin absorbition with good tensile strength when wet.

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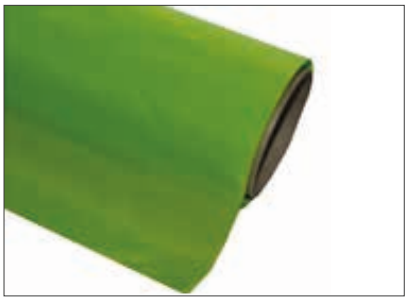
PEEL PLY

GFM-1PA6G68



GREEN	68 gr/m² customizable	100 m customizable	75 - 150 mm	Max. 150°c

Green nylon fiber-based fabric designed to eliminate excess resin from the laminate, thus improving its mechanical values, as well as preparing the internal surface of the product and avoiding the preparatory phase of sanding.

GFM-1PA6WR85

WHITE AND RED	85 gr/m² customizable	100 | 200 m	50 - 1520 mm	Max. 180°c

White with red tracers peel ply leaves an evenly rough, lubricant film free and adhesive surface behind. Sanding or cleaning of the surface is not necessary before sticking or coating. The Peel Ply can´t remain in the construction therefore the red or blue tracer thread woven into the fabric make it visible for easy peeling.

GFM-1TW2/2WR105-100X100

WHITE AND RED	100 gr/m² customizable	100 m	1470 mm	Max. 204°c

White with red tracers peel ply leaves an evenly rough, lubricant film free and adhesive surface behind. Sanding or cleaning of the surface is not necessary before sticking or coating. The Peel Ply can´t remain in the construction therefore the red or blue tracer thread woven into the fabric make it visible for easy peeling.

GEFiM

PEEL PLY

GFM-1PA6-ADH85

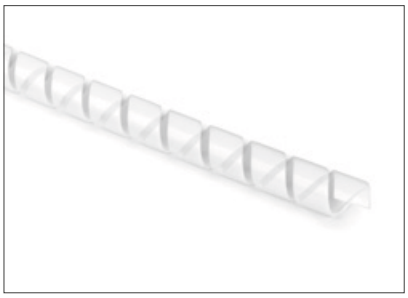
NEW !

WHITE AND RED	123 gr/m² customizable	100 m	50 - 1520 mm	180°c

Self-adhesive nylon 6 peel ply fabric, designed for hand lamination and the vacuum infusion process. The red tracer as a visible indicator reduces the possibility of any peel ply being left on the laminate.

RESIN FLOW MEDIA

GFM-1SPW



TRANSLUCENT	25 | 100 m Customizable	8/10 mm | 09/12 mm 12/14 mm | 14/17 mm Customizable	Max. 100°c

LDPE Spiral Tube is ideally suited for vacuum line extenders or resin feed lines. This tubing is often used in vacuum infusion to allow vacuum pressure to be easily dispersed around a part, and air removal from reinforcing material. Air removal from reinforcing material, resin outlet. Spiral tube can be used as resin or vacuum channel.

GFM-1SPW-B01-12X14-50-PVC

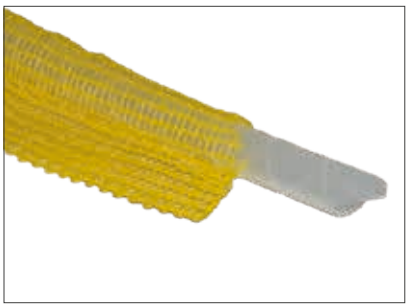
BLACK	50 m	12/14 mm	Max. 100°c

PVC Spiral Tube is ideally suited for vacuum line extenders or resin feed lines. This tubing is often used in vacuum infusion to allow vacuum pressure to be easily dispersed around a part, and air removed from reinforcing material. Spiral tube can be used as resin or vacuum channel.

GEFiM

SPIRAL TRAP

GFM-1STRP-YW



YELLOW AND WHITE	25 | 50 | 100 m Customizable	8/10 mm | 09/12 mm 12/14 mm | 14/17 mm Customizable	Max. 100°c

SPIRALTRAP is a vacuum infusion system consisting of a spiral wrap, wrapped in a special resin infusion net. Their union guarantees a better air/resin distribution and avoids excessive adherence as well as breaking the vacuum bag during the infusion process.

GFM-1STRP-GW

GREEN AND WHITE	100 m Customizable	8/10 mm | 09/12 mm 12/14 mm | 14/17 mm Customizable	Max. 100°c

SPIRALTRAP is a vacuum infusion system consisting of a spiral wrap, wrapped in a special resin infusion net. Their union guarantees a better air/resin distribution and avoids excessive adherence as well as breaking the vacuum bag during the infusion process.

GFM-1STRP-BK12X14-50-PVC

GREEN AND BLACK	50 m	12/14 mm	Max. 100°c

SPIRALTRAP is a vacuum infusion system consisting of a spiral wrap, wrapped in a special resin infusion net. Their union guarantees a better air/resin distribution and avoids excessive adherence as well as breaking the vacuum bag during the infusion process.

GEFiM

SPIRAL TRAP

GFM-1BRK-RESIN-PP-100

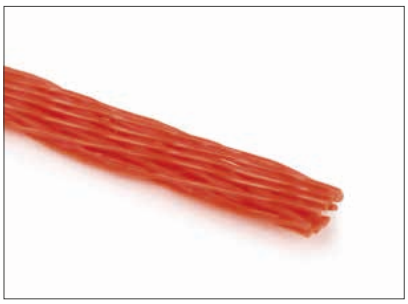
TRASLUCENT WHITE AND RED	100 m Customizable	09/12 mm 12/14 mm	Max. 100°c

Infusion system easy to remove thanks to a peel ply fabric combined with spiral wrap to help resin flow.

GEFiM

TUBULAR MESH

GFM-1TM004-WH2050-250



ORANGE | 10 / 20 mm | Max. 80°c

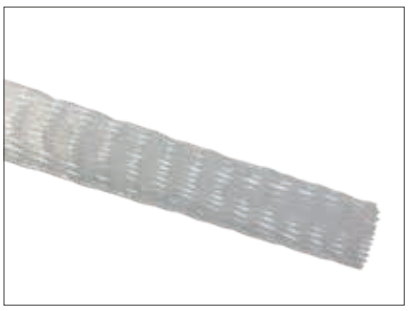
Tubular mesh is a tubular knitted composite mesh which adapts perfectly to any kind of spiral wrap. Can be used as separator and filter, ideal for the separation of numerous products: plastic, ceramic, metallic materials, glasses.

GFM-1TM004-WH2050-250

YELLOW | 20 | 50 mm | Max. 80°c

Tubular mesh is a tubular knitted composite mesh which adapts perfectly to any kind of spiral wrap. Can be used as separator and filter, ideal for the separation of numerous products: plastic, ceramic, metallic materials, glasses.

GFM-1TM004-WH2050-250



WHITE | 10/20 mm | Max. 80°c

Tubular mesh is a tubular knitted composite mesh which adapts perfectly to any kind of spiral wrap. Can be used as separator and filter, ideal for the separation of numerous products: plastic, ceramic, metallic materials, glasses.

GEFiM

RESIN FLOW SYSTEM

GFM-1FLOWCHANNEL

GREY	100 m	50 | 100 mm	4 mm	Max. 80°c

GFM-1FLOWCHANNEL is a flexible composite resin flow channel in 100mm wide strips. It consists of a three-dimensional spacer matting, made from polypropylene monofilaments, pre-formed in a zig-zag configuration and wrapped in a non-woven sleeve.

GFM-1MESHCNL

TRASLUCENT	43 | 45 | 98 mm	Max. 185°c

The resin tape is a flow media which optimizes the vacuum infusion process (VIP). The vacuum infusion process is used for the manufacturing of composites. The advantages include easy handling and fixation, no adhesive tape necessary, fits well at curved components.

GFM-1RESININFULINE-10

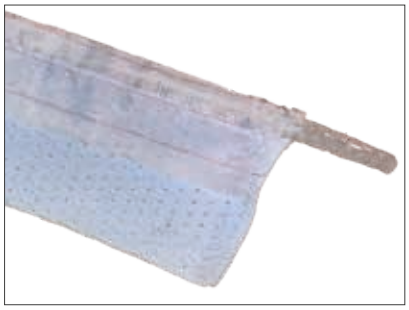
WHITE	25 m	100 mm	Max. 60°c

GFM-1RESININFULINE-10 is a flexible three-dimensional matting made from polyester monofilaments. The matting is preformed in a ZigZag pattern. The extremities of the matting are enclosed in two strips of spunbound - non-woven fabric to protect the film from the sharp edges. Resin infuline is used as a flow medium in resin infusion process.

GEFiM

FLOW CONTROL SYSTEM

GFM-1STOPT-W100-25G



SKY BLUE / WHITE AND RED

25 m

100 mm

Max. 120°c

Flow control system designed to avoid wasting resin during infusion process mantaining the same degree of vacuum.

GFM-1STOPT-W100-25G

WHITE

25 m

110 mm

Max. 120°c

Flow control system designed to avoid wasting resin during infusion process mantaining the same degree of vacuum.

GFM-1STOPT-W120

WHITE AND SKY BLUE

25 m

100 mm

Max. 90°c

Flow control system designed to avoid wasting resin during infusion proces. It's a combination of core material fabric, release film completed with a spiral wrap 9x12 or 12x14mm.

GEFiM

GFM-1VRMEMBRANE-150-120

TRASLUCENT	150mm	120 m	Max. 100 °c

Vacuum resin membrane suitable for vacuum infusion and prepreg processing. Designed to maximize air removal during infusion and cure.

SEALANT TAPES

GFM-1BT120 / GFM-1BT180I-Y / GFM-1BT220I-DG

				Max.
BLACK	3 mm 1,5 mm 3 mm 3 mm 2 mm	15 m 22 m 15 m 15 m 22,5 m	9 mm 10 mm 10 mm 12 mm 10 mm	130°c
YELLOW	3 mm 3 mm	15 m 15 m	10 mm 12 mm	200°c
DARK GREY	3 mm	15 m	10 mm	220°c

Consists of a high-performance butyl sealing tape. These preform tapes have been designed for sealing in both “bag to tool” and “bag to bag” applications. With aggressive initial tack, this butyl sealing tape mantains an air-tight seal during the cure cycle and the tool clean from the strip, with virtually no trace of residue.

GFM-1ALUBT-GY50X08

				Max.
GREY	8 mm	10 m	50 mm	228°c

High performance sealant tape reinforced with aluminium foil guarantees high tack on all common building materials even at low temperatures, resistant to ageing and UV-rays.

ADHESIVE TAPES

GFM-1FTAPE-B

NEW !

BROWN	89 µm	33 m	25 mm	Max. 260°c

Blue high temperature tensile polyester film, coated with a fully cured silicone adhesive suitable for autoclave curing process.

GFM-1FTAPE-G

GREEN	60 µm	66 m	25 | 50 mm	Max. 228°c

Green high temperature tensile polyester film, coated with a fully cured silicone adhesive suitable for autoclave curing process.

GFM-1FTAPE-B

BLUE	55 µm	66 m	25 | 50 mm	Max. 220°c

Blue high temperature tensile polyester film, coated with a fully cured silicone adhesive suitable for autoclave curing process.

GEFiM

GFM-1INFDRY-TAPE25MM

NEW !

WHITE	55 µm	50 m	25 mm	Max. 130°c

Polyesterfleece with stripecoating on one side with an above-average shear resistant, easy to stamp and well adhesive acrylic adhesive. Tape used in the production of flat cable jumpers to achieve a low-resistance spring contact (thickness adjustment).

GFM-1GFTAPE-50

WHITE	75 g/m²	90 m	50 mm	Max. 180°c

This tape is used to hold dry fabrics in place for your infusion process as the structure will not inhibit resin flow.

ANCILLARIES

GFM-1PLST-W350

WHITE

GFM-PLA-WHITE 350g is a medium hardness modelling clay ideal for rounding off the sharp edges of a mould and sealing joints between moulds and additional components. Suitable for any type of infusion process.

GFM-1FTAPE

WHITE

600 ml

Max. 18 - 20°c

High performance technical product with high speed of action and very thin distribution. M18 is user friendly and delivers excellent bonding on the most varied materials: metals, plastic, expanded materials, glass and wood.

INFUSION SYSTEM
ACCESSORIES

GFM-1LDPEP

TRASLUCENT	1,0 mm 1,2 mm 1,5 mm 1,5 mm	8x10 | 10x12 | 12 x14 mm 12,5 x15 mm 13 x 16 | 14 x17 | 15,5 x19 mm 17 x 20 mm	100 m 100 m 100 m 300 m	Max. 100°c

Pipe used as resin distributors or vacuum lines. (max working pressure 10 bars).

GFM-1LCON / GFM-1TCON
GFM-1ICON / GFM-1VV

BLACK	For pipe 10/12 12,5/15 | 13/16 14/17 | 17/20	Max. 100°c

Range of connectors and valves for joining and connecting hoses or other auxiliaries wich make up the vacuum line. Perfectly compatible with other fittings and auxiliaries.

GFM-1INP

BLUE | GREEN ORANGE YELLOW	For pipe 10/12 12,5/15 | 13/16 14/17	Max. 120°c

Connection of vacuum and supply lines of different diametres. Round – edge infusion plugs to protect vacuum bags.

GEFiM

INFUSION SYSTEM ACCESSORIES

GFM-1A103-MSK / GFM-1A104-FSK

STEEL	6,35 mm male and female	Max. 12 Bar	Max. 210°c

Quick release couplings are mainly used in fibro-reinforced procuction processes as well as in other types of plants. Designed to regulate the passage of various fluids they guarantee perfect tightness under pressure.

GFM-1A101-TLV

ALUMINIUM	6,25 mm coupling 60 mm base diameter	Max. 10 Bar	Max. 210°c

Twist lock valve that is placed through the vacuum bag, the flat base and twist lock design make it easy to install to ensure good seal and safe vacuum bag. Maximum service temperature 210°C

GFM-1A101-THV

ALUMINIUM	6,25 mm coupling 60 mm base diameter	Max. 10 Bar	Max. 210°c

Threaded vacuum link is suitable for the most varied types of productive processes of composite articles, perfectly compatible with our line of quick release couplings. The ring lock makes it sturdy and reliable in all working conditions.

GEFiM

INFUSION SYSTEM ACCESSORIES

GFM-1A104-VG

ALUMINIUM	6,25 mm coupling	10 Bar	210°c

Side edge vacuum valve which allows identical expansion at the top and bottom.

GFM-1A104-VG

STEEL	6,25 inch	0 - 1 Bar	-20°c to 60°c

The GFM-1A104-VG-PL vacuum gauge has a -1 to 0 bar vacuum pressure range and comes with a black plastic housing and copper alloy process connection. Compliant to Standard EN 837-1 is suitable for use during vacuum infusion process.

GFM-1INP

GREEN	1 m to 30 m Customizable	9,5 mm internal 17,5 mm external	10 Bar	250°c

High temperature plantium cured silicone hose, reinforced with fiberglass, manufactured to the highest standards, from specially developed material. Designed for minimal heat shrinkage and no free silicone particle contamination. GFM-A102-SHA is extremely durable and flexible, easy to handle and safe, with no sharp features thus preventing cuts to personnel or materials.

INFUSION SYSTEM ACCESSORIES

GFM-1EXT-KIT

STEEL	6,25 inch	0 - 1 Bar	-20°c to 60°c

Complete kit extractor plus handle, help vacuum infusion process, high quality and stainless steel. Each kit combines extractor and a t-shaped handle dimensions according to size (small/medium/large).

GFM-1TRAP-9LT

STEEL	9 L 15 L	201 / 205 mm 251 / 255 mm	295 mm 310 mm	Max. 90°c 90°c

Is a vacuum container designed to simplify and improve the resin infusion process. Completely made of stainless steel AISI 304 with a white polycarbonate top. The Resin Trap is equipped with a vacuum gauge and connections. Four Quick-fastening systems are designed to guarantee watertight sealing.

GFM-1DCLAMP

ALUMINIUM	3 cm	8 cm	piler 21 cm

Dolphin infusion hose clamps are professional locking pliers for use in resin infusion applications. Hoses can be clamped to prevent the flow of resin. These fully adjustable pliers feature a non-slip grip, making for an ergonomic design.

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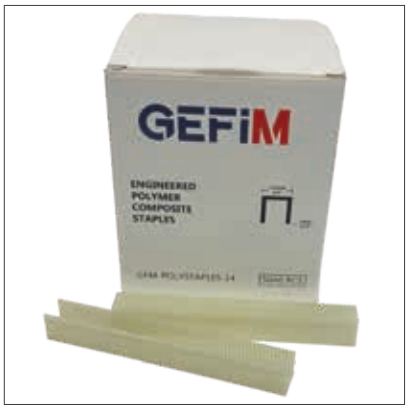
INFUSION SYSTEM ACCESSORIES

GFM-1POLYSTAPLES-14



WHITE

12,5 mm

14 mm

GFM-1STAPLES-14 are non metallic staples made from a composite blend of polymer and fiberglass. They are suitable for any application where other fastners cannot be used.

GFM-1STAPLE-GUN-81P

BLACK AND BLUE

Manual staplers have been ergonomically designed for comfort, ease of use and top performance. Extremely fast, powerful, lightweight, well-balanced and rugged for demanding industrial applications.

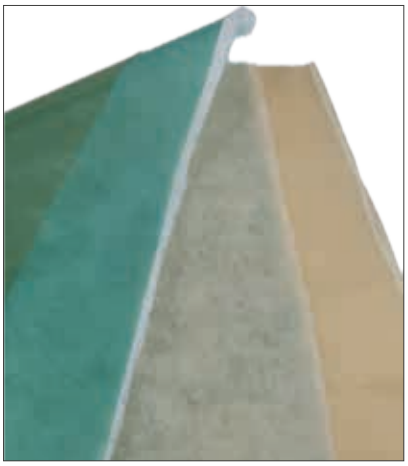
GEFiM

GEFiM
COMPOSITES SOLUTION

CUSTOMIZED KITTING SOLUTIONS

VACUUM BAGGING
KITTING SOLUTION

• ALL IN ONE KIT



All-in-one pre-made kits are desgned to simplify your vacuum bagging process. These can include vacuum bagging films, release films and bleeders cut-to-size, welded or sealed with butyl sealant tape following customer requirements

• WELDED VACUUM BAGGING READY TO USE

Welded vacuum bagging films are ready-to-use solutions designed to save time and money, reduce waste and increase productivity.
Our ready-to-use solutions can be made with low, medium and high temperature films of different sizes kitted as foil, open and closed tubes according to customer requirements.

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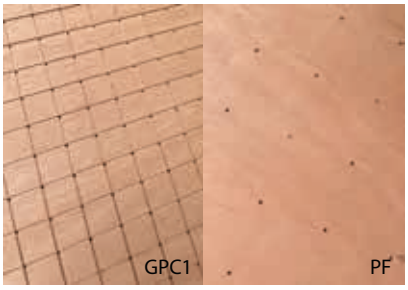
CORE MATERIALS
KITTING SOLUTION

• MARINE PLYWOOD

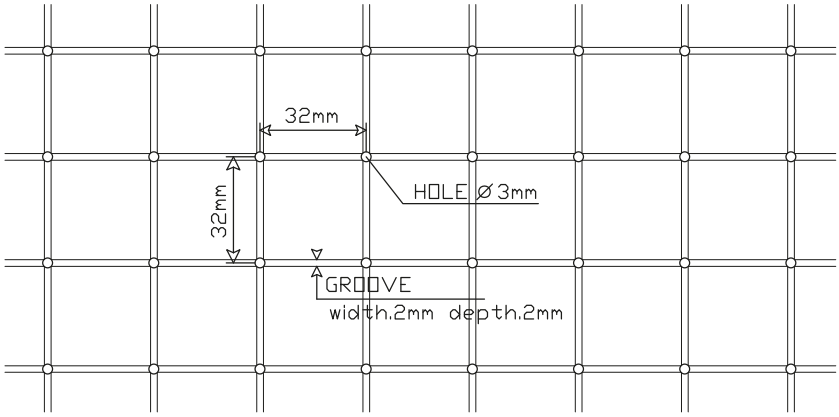


2500 x 1220 mm | 3,05 m²

5 | 10 | 15 | 20 | 25 | 30
35 | 40 mm

Multi -layer panel consisting of an odd number of strips of okoumè wood arranged in a cross-grain pattern and glued togeather using melamine glue.
Several types of finishing are possible for use in the production of composites, both with hand-lamination or infusion process.

FINISH	DESCRIPTION	SPACING (mm)	DIAMETER (mm)
GPC1	GROOVE + PERFORATION	32 x 32	Ø 3
PF32	PERFORATION	32 x 32	Ø 3
PF64	PERFORATION	64 x 64	Ø 3
PF96	PERFORATION	96 x 96	Ø 3

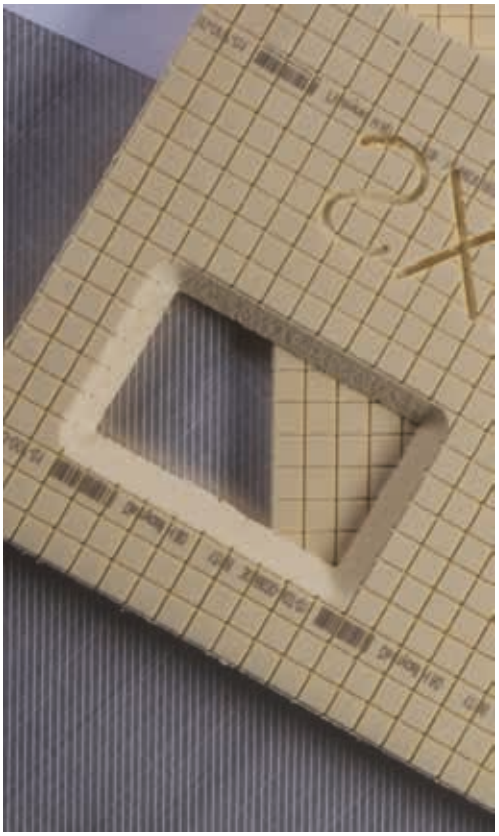


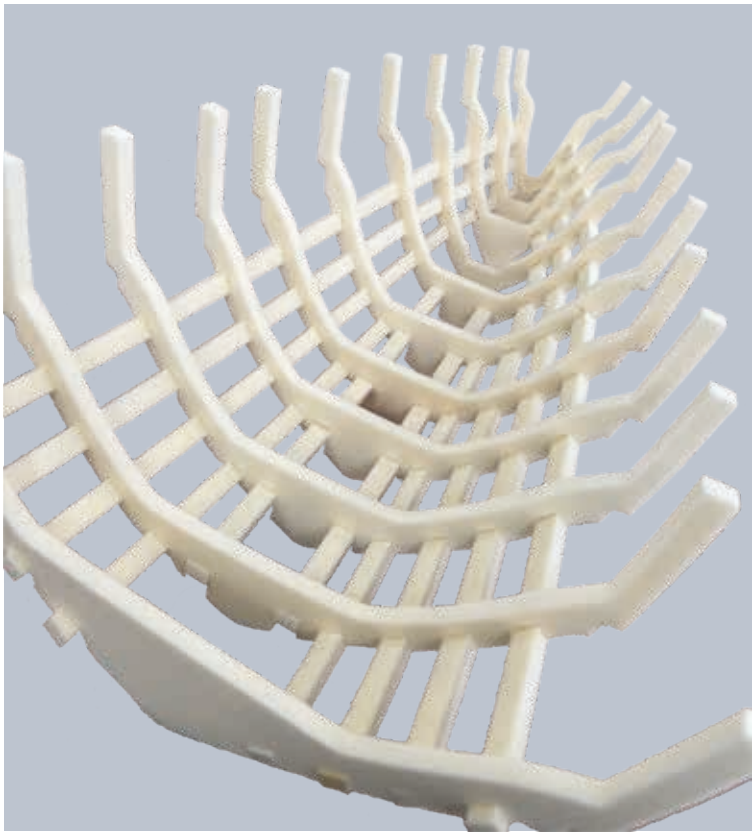
Grooving specifications: longitudinal and trasversal grooves 2 mm deep and 2 mm wide, arranged in a diamond-shaped grid with a spacing of 32 mm.

CORE MATERIALS
KITTING SOLUTION

• POLYURETHANE AND PVC KITTING CENTRE

Ge.Fim kits are a custom-made set of core elements. The kit can consist of simple pre-cut core panels, or complex 3D shapes made with CNC machines. Each piece is pre-cut and then numbered to fit precisely into its designated place within the mould. Kits are designed based on the client's application's requirements. Our kit engineers take geometry and your manufacturing process into account when designing each kit. Manufacturing processes can be streamlined to improve the quality of composite applications with pre-cut parts (kits). By eliminating the on-site cutting of sheets, manufacturing time is reduced and the same goes for labour and material costs. Our kitting facility can cost effectively machine foam core materials in all densities and thicknesses.





GEFiM

MOULDS AND MODELS DIVISION

GE.FIM has an internal fiberglass moulding division which produces master plugs. Thanks to the recent investiments and know how, GE.FIM is able to offer support for the design and production of master plugs and moulds for composite materials for a number of different sectors such as marine, wind energy and automotive, shaping even the most complex moulds, to obtain the required characteristics. The company can supply custom made moulds in fiberglass ready for waxing, according to the layering indicated by customer.

Particularly appreciated by customers in the nautical world is the ability to offer a complete supply of plugs from a variety of materials and respond to countless customer requests, even the most complex ones.

Workable materials are many and are chosen directly with the customer based on the type of use:

- MDF
- POLYSTYRENE
- EPOXY PASTE
- POLIZENE
- DELRIN
- UREOL
- POLYETHYLENE

GEFiM
COMPOSITES SOLUTION

COMING SOON

FIBERGLASS TISSUE KITTING SERVICES

NEW !

GE.FIM Srl

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Composites and Kitting Plant
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