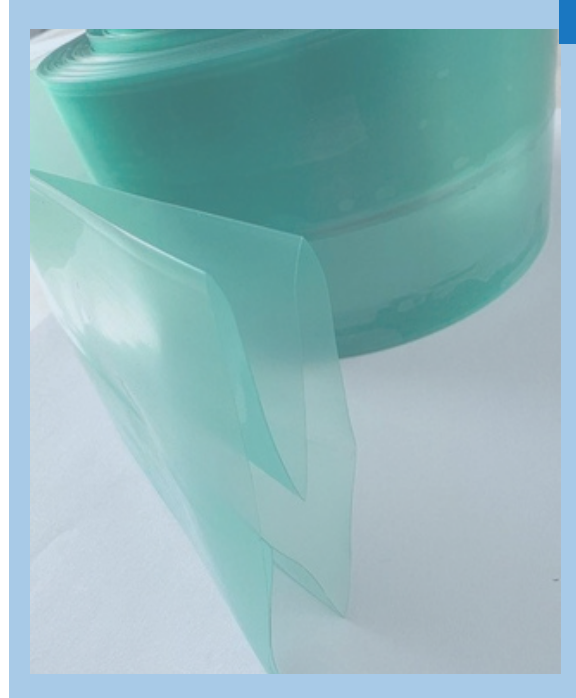


INFUSION CONSUMABLES



AS SDF ENDUSTRI , WE AIM TO PROVIDE SERVICE WITH A WIDE RANGE OF PRODUCTS FROM OUR WAREHOUSES LOCATED IN DIFFERENT LOCATIONS, PRIORITIZING CUSTOMER SATISFACTION FOR YOUR INFUSION AND PREPREG MANUFACTURING NEEDS.



BAGGING FILMS

Description	Max. temp.	Format	Resin Type	Thickness	Width			
PA-PE BASED VACUUM BAG	120°C	Sheet, V Sheet, Tube, Gusseted, Centrally Slit	E PE VE	75 80 µm	1,2 - 42 m	☒	☐	☐
NYLON (PA) BASED VACUUM BAG	177°C	Sheet, V Sheet, Tube, Gusseted, Centrally Slit	E PE V PH	50 65 70 75 µm	4 6 8 10 12 m	☒	☒	☐
HEAT STABILISED CO EXTRUDED VACUUM BAG	170°C	Sheet, V Sheet, Centrally Slit	E PE V PH	50 µm	Up to 6 m	☒	☒	☒
HEAT STABILISED MONO VACUUM BAG	204°C	Sheet, V Sheet, Tube	E PE V PH	50 µm	Up to 3500mm Tube & 7000mm V sheet	☒	☒	☒
MONO NYLON VACUUM BAG	212°C	Sheet, V Sheet, Tube	E PE V	50 75 µm	Up to 2000mm Tube & 2000-4000mm V sheet	☒	☒	☒
FLEXIBLE MONO NYLON VACUUM BAG	205°C	Sheet, V Sheet, Tube	E PE V	50 75 µm	Up to 3000mm Tube & 3000-6000mm V sheet	☒	☒	☒
SELF RELEASING MULTILAYER VACUUM BAG	160°C	Tube, Gusseted tube	E PH	70 100 µm	50 - 800mm Tube	☒	☒	☒
LDPE RELEASE FILM	114°C	Sheet	E PE V	80 µm	Up to 1800mm	DEBULKING		

CAPTION

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

Sheet



V sheet



Tube



Gusseted



Centrally Slit



 Infusion

 Oven

 Autoclave



RELEASE FILMS

Description	Max. temp.	Perforations	Resin Type	Thickness	Width
POLYOEFIN BASED RELEASE FILM	127°c	P3 NP	E PE V	28 50 µm	1500 mm
PP BASED RELEASE FILM	150°c	P3 NP	E PE V	30 50 µm	1500 mm
PMP BASED RELEASE FILM	200°c	P3 NP	E PE V	30 µm	1500 mm
FEP BASED RELEASE FILM	260°c	P3 NP	E PE PH	25 µm	1530 mm
ETFE BASED RELEASE FILM	230°c	P3 NP	E PE V	15 µm	1530 mm

CAPTION

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

RESIN FLOW MESH



120G/M2 FLOW MESH



100 m
customizable



1500 mm



120°C

Recommended for vacuum infusion technology and similar processes. It is compatible with all types of resin and its 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.

135G/M2 FLOW MESH



100 m
customizable



1500 mm



120°C

Is a medium flow knitted mesh used for resin infusion and similar processes. Compatible with all types of resin, its high drapability makes it suitable for use even on complex surfaces.

110G/M2 EXTRUDED MESH



100 m
customizable



810 mm

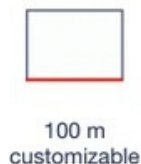


120°C

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 flow more easily throughout lay-up.

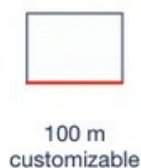
COMBI MESH

DUALMESH 170G/M2 FLOW & P3



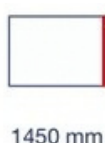
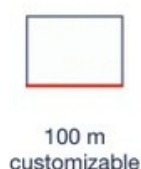
Dualmesh light provides highly conformable resin distribution and persistent air evacuation during vacuum assisted resin infusion processes, thanks to the special knitted pattern of the HDPE net and the P3 perforation of the HDPE lm. Its inherent exibility makes it perfect for use in complex designed moulds.

DUALMESH 190G/M2 FLOW & P3



Dualmesh light provides highly conformable resin distribution and persistent air evacuation during vacuum assisted resin infusion processes, thanks to the special knitted pattern of the HDPE net and the P3 perforation of the HDPE lm. Its inherent exibility makes it perfect for use in complex designed moulds.

HEAT SEALED COMBO MESH



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

COMBI MESH

TRIPLEX MESH



Triplexmesh provideshighly conformableresin distribution and persistant air evacuation during vacuum assisted resin infusion processes, thanks to the special knitted pattern of the HDPE net the P3lperforation of the HDPE lm and peel ply. Its inherent exhibility makes it perfect for use in complex designed moulds.

VACUTECH



VACUTECH drains and protects silicone tools bleeding gasses and excess resin during low temperatureinfusion andautoclave processing.

COMBI BLEEDER

BLEEDER



100 gr/m²
120 gr/m²
150 gr/m²
230 gr/m²
300 gr/m²
400 gr/m²

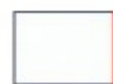


Bleeder is a 100%polyester bleeder of the highestquality ableto adapt tothemost complex laminateshapes. Thanks to its excellent ventilation, that can withstand vacuum and autoclave pressure processing.

NONWOVEN CORE



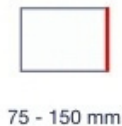
55 gr/m²
80 gr/m²
105 gr/m²
125 gr/m²



Nonwoven core made of foamed micro hollow pearls and asserted with short bres. After impregnation with polyester resin the nonwoven becomes smooth and formable. The G-Core optimized resin absorbtion with good tensile strength when wet.

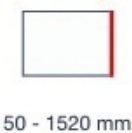
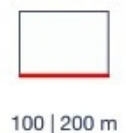
PEEL PLY

68G/M2 PEEL PLY



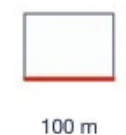
Green nylon fiber based fabric designed to eliminate excess resin from the laminate, thus improving its mechanical values, as well as preparing the internal surface of the product and avoiding the preparatory phase of sanding.

85G/M2 PEEL PLY



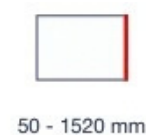
White with red tracers peel ply leaves an evenly rough, lubricant free and adhesive surface behind. Sanding or cleaning of the surface is not necessary before sticking or coating. The Peel Ply can't remain in the construction therefore the red or blue tracer thread woven into the fabric make it visible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

100G/M2 PEEL PLY



White with red tracers peel ply leaves an evenly rough, lubricant 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.

SELF ADHESIVE PEEL PLY



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. It is 123g/m².

RESIN FLOW SYSTEM

LDPE SPIRAL TUBE

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.



TRANSLUCENT



25 | 100 m
Customizable



8/10 mm | 09/12 mm
12/14 mm | 14/17 mm
Customizable



100°C

PVC SPIRAL TUBE

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.



BLACK



50 m



12/14 mm



100°C

YELLOW SPIRAL TRAP

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.



YELLOW
AND
WHITE



25 | 50 | 100 m
Customizable



8/10 mm | 09/12 mm
12/14 mm | 14/17 mm
Customizable



100°C

GREEN PVC SPIRAL TRAP

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.



GREEN
AND
WHITE



100 m
Customizable



8/10 mm | 09/12 mm
12/14 mm | 14/17 mm
Customizable



100°C

PP SPIRAL TRAP

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



TRASLUCENT
WHITE AND
RED



100 m
Customizable



09/12 mm
12/14 mm



100°C

RESIN FLOW CHANNEL

FLOWCHANNEL consists of a three-dimensional spacer matting, made from polypropylene mono laments, pre-formed in a zig-zag conguration and wrapped in a non-woven sleeve.



GREY



100 m



50 | 100 mm



4 mm



80°C

MESH CHANNEL

The resin tape is a low 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, as well as at curved components.



TRASLUCENT



43 | 45 | 98 mm



185°C

FLOW CONTROL SYSTEM

FLOW CONTROL SYSTEM1



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



25 m



100 mm



120°C

FLOW CONTROL SYSTEM2



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



WHITE



25 m



110 mm



120°C

FLOW CONTROL SYSTEM3



It'sa combinationof core material fabric, release film completed with a spiral wrap 9x12 or 12x14mm.



WHITE AND SKY BLUE



25 m



100 mm



90°C

RESIN MEMBRANE



Vacuum resin membrane designed to maximize air removal during infusion and cure.



TRASLUCENT



150mm



120 m



100 °C

SEALAND TAPE



				 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
	3 mm 3 mm	15 m 15 m	10 mm 12 mm	200°C
	3 mm	15 m	10 mm	220°C

228C SEALAND TAPE



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.



8 mm



10 m



50 mm

260C SEALAND TAPE



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



89 µm



33 m

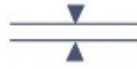


25 mm

228C SEALAND TAPE



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



60 μ m



66 m



25 | 50 mm

220C SEALAND TAPE



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



60 μ m



66 m



25 | 50 mm

130C TAPE



Polyester fleece with stripe coating 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).

75G/M2 TAPE



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

INFUSION SYSTEM ACCESSORIES

LDPE PIPE



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



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



100°C

CONNECTOR & VALVES



BLACK



For pipe 10/12
12,5/15 | 13/16
14/17 | 17/20



100°C

INFUSION PLUGS



BLUE | GREEN
ORANGE
YELLOW



For pipe 10/12
12,5/15 | 13/16
14/17



120°C

QUICK RELEASE COUPLINGS



Quick release couplings are mainly used in fibro-reinforced production processes. Designed to regulate the passage of various fluids they guarantee perfect tightness under pressure.



6,35 mm
male and female



12 Bar



210°C

TWIST LOCK VALVE



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.



6,25 mm coupling
60 mm base diameter



10 Bar



210°C

THREADED VACUUM LINK



Threaded vacuum link is perfectly compatible with our line of quick release couplings. The ring lock makes it sturdy and reliable in all working conditions.



6,25 mm coupling
60 mm base diameter



10 Bar



210°C

SIDE EDGE VACUUM VALVE



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



6,25 mm coupling



10 Bar



210°C

VACUUM GAUGE



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.



6,25 inch



0 - 1 Bar



-20°C to 60°C

THREADED VACUUM LINK



High temperature platinum 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. Extremely durable and flexible, easy to handle and safe, with no sharp features thus preventing cuts to personnel or materials.



9,5 mm internal
17,5 mm external



10 Bar



250°C



SDF ENDÜSTRİ DİŐ TİCARET VE LOJİSTİK LTD. ŐTİ.

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