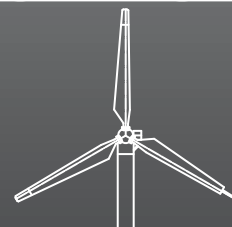
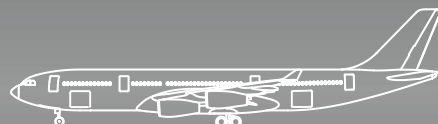
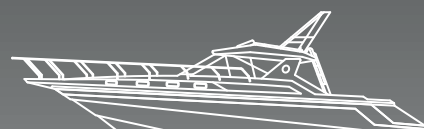
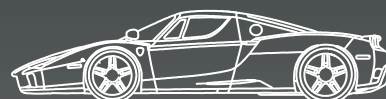




**VABER INDUSTRIALE S.p.A.**

## **SECTOR COMPOSITES**

VACUUM BAGGING FILM  
BLEEDER  
RELEASE FILM  
SEALANT TAPE  
ADHESIVE TAPE  
VACUUM VALVES & HOSES  
INFUSION MATERIALS



**1/2017**

**Advanced Vacuum System**

**VABER INDUSTRIALE** offre una gamma completa di soluzioni articolate sulla base delle esigenze espresse dal mercato e quando occorre opera in reale partnership e coengineering con i clienti.

## **LINEE PRODOTTO**

**Adesivi**  
**Sigillanti**  
**Insonorizzanti e Protettivi**  
**Smorzanti acustici**  
**Vernici e Sigillanti intumescenti**  
**Pellicole e Nastri**  
**Attrezzature e Accessori**  
**Complementari**  
**Prodotti speciali**

## **SETTORI**

**Prodotti per carrozzerie**  
**Automotive per il primo impianto**  
**Area trasporti**  
**Industria del vuoto**  
**Industria del bianco e Condizionamento**  
**Nautica**  
**Aerospaziale**  
**Energia eolica e fotovoltaica**  
**Componenti high-tech di design**  
**Edilizia**  
**Reti acqua, gas**

***VABER INDUSTRIALE** offers a complete range of solutions based on the needs expressed by the market and when necessary, it is prepared to work in co-engineering and in partnership with its clients.*

## **PRODUCT LINES**

**Adhesives**  
**Sealants**  
**Sound damping and Protective coating**  
**Sound damping coating**  
**Intumescent Paint and Sealant**  
**Films and Tapes**  
**Equipments and Fittings**  
**Utilities**  
**Special products**

## **SECTORS**

**Car refinishing**  
**OEM/OES**  
**Transports**  
**Vacuum materials**  
**Electric home appliances and Air conditioning**  
**Marine**  
**Aerospace**  
**Wind power and photovoltaic energy**  
**High-tech design components**  
**Building**  
**Gas, oil, water pipelines**



# SECTOR COMPOSITES

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**BLEEDER**

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**ADHESIVE AND BIADHESIVE TAPE**

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**RESIN INFUSION MATERIALS**

**Advanced Vacuum System**

## VBA 50T HT



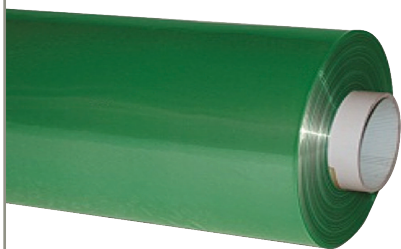
VBA 50T HT is a heat-resistant flexible film of nylon 6.6 for moulding of epoxy matrices, suitable for polymerization in oven and autoclaves with temperatures up to 204° C.

VBA 50T HT is very powerful, its extreme softness and flexibility allows it to be used on all types of shapes, even complex ones.

APPLICATION: Autoclave - Oven

05X-VBAHT030	Lay-flat tubing for Vacuum Bagging film. Width 12"300 mm L. 250 m 50 µm 204° C
05X-VBAHT045	Lay-flat tubing for Vacuum Bagging film. Width 18"450 mm L. 250 m 50 µm 204° C
05X-VBAHT060	Lay-flat tubing for Vacuum Bagging film. Width 24"600 mm L. 250 m 50 µm 204° C
05X-VBAHT090	Lay-flat tubing for Vacuum Bagging film. Width 36"900 mm L. 250 m 50 µm 204° C
05X-VBAHT120	Lay-flat tubing for Vacuum Bagging film. Width 47"1200 mm L. 250 m 50 µm 204° C
05X-VBAHT150	Lay-flat tubing for Vacuum Bagging film. Width 60"1500 mm L. 250 m 50µm 204° C
05X-VBAHT200	Lay-flat tubing for Vacuum Bagging film. Width 78"2000 mm L. 250 m 50µm 204° C

## VBA 50S HT



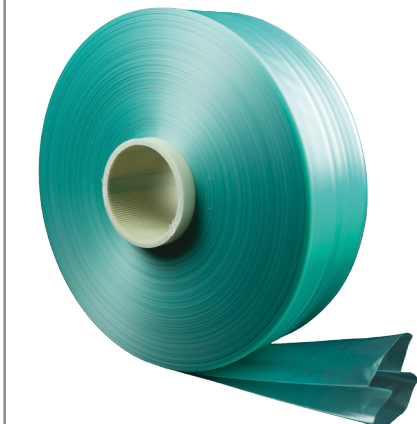
VBA 50S HT is a heat-resistant flexible film of nylon 6.6 for moulding of epoxy matrices, suitable for polymerization in oven and autoclaves with temperatures up to 204° C.

VBA 50T HT is very powerful, its extreme softness and flexibility allows it to be used on all types of shapes, even complex ones.

APPLICATION: Autoclave - Oven

05XVBA5SHT16	Sheeting for Vacuum Bagging film. Width 57"1470 mm L.500 m 50 µm 204° C
05XVBA5SHT21	Sheeting for Vacuum Bagging film. Width 77"1970 mm L.500 m 50 µm 204° C

## VBA 70T SR/ SRG



VBA 70T SR/ SRG is a gusseted film tube for self-releasing multilayer vacuum bags to be placed in direct contact with pre-impregnated tissues for the production of pipes and hollow parts. VBA 70T SRG exhibits superior strength and works extremely well with most types of resin systems.

The special gusset folding of VBA 70T SR/ SRG allows it to be positioned accurately inside hollow parts.

After application of the vacuum, the film expands to fit the shape of the part. This makes it very useful in applications with variations in the inner diameter of the part. This procedure is suitable for applying internal pressure to parts with smaller diameters, where the insertion of standard film tubes can be difficult.

APPLICATION: Autoclave - Oven

05XVBA70G080	Gusseted self releasing Vacuum Bagging film Width 3"80 mm L. 200 m 70 µm 170 ° C
05XVBA70G100	Gusseted self releasing Vacuum Bagging film Width 4"100 mm L. 200 m 70 µm 170 ° C
05XVBA70G150	Gusseted self releasing Vacuum Bagging film Width 6"150 mm L. 200 m 70 µm 170 ° C
05XVBA70SR25	Self releasing Vacuum Bagging film Width 10"250 mm L. 200 m 70 µm 170 ° C
05XVBA70SR30	Self releasing Vacuum Bagging film Width 12"300 mm L. 200 m 70 µm 170 ° C
05XVBA70SR45	Self releasing Vacuum Bagging film Width 18"450 mm L. 200 m 70 µm 170 ° C





## VBA 50T MT



VBA 50T is a heat-resistant flexible film of co-extruded PA / PO / PA for moulding of epoxy matrices, suitable for polymerization in oven and autoclaves with temperatures up to 180°C.

VBA 50T is very performing, its extreme softness and flexibility allows it to be used on all types of shapes, even complex ones.

APPLICATION: Autoclave - Oven - Infusion system

05X-VBA5T015	Lay-flat tubing for Vacuum Bagging film. Width 6" 150 mm L 250 m 50 µm 180°C
05X-VBA5T025	Lay-flat tubing for Vacuum Bagging film. Width 10" 250 mm L 250 m 50 µm 180°C
05X-VBA5T030	Lay-flat tubing for Vacuum Bagging film. Width 12" 300 mm L 250 m 50 µm 180°C
05X-VBA5T045	Lay-flat tubing for Vacuum Bagging film. Width 12" 450 mm L 250 m 50 µm 180°C
05X-VBA5T06	Lay-flat tubing for Vacuum Bagging film. Width 24" 600 mm L 250 m 50 µm 180°C
05X-VBA5T09	Lay-flat tubing for Vacuum Bagging film. Width 35" 900 mm L 250 m 50 µm 180°C
05X-VBA5T12	Lay-flat tubing for Vacuum Bagging film. Width 47" 1200 mm L 250 m 50 µm 180°C
05X-VBA5T15	Lay-flat tubing for Vacuum Bagging film. Width 59" 1500 mm L 250 m 50 µm 180°C
05X-VBA5T18	Lay-flat tubing for Vacuum Bagging film. Width 70" 1800 mm L 250 m 50 µm 180°C
05X-VBA5T22	Lay-flat tubing for Vacuum Bagging film. Width 87" 2200 mm L 250 m 50 µm 180°C
05X-VBA5T23	Lay-flat tubing for Vacuum Bagging film. Width 90" 2300 mm L 180 m 50 µm 180°C
05X-VBA5T30	Lay-flat tubing for Vacuum Bagging film. Width 118" 3000 mm L 180 m 50 µm 180°C
05X-VBA65T27	Lay-flat tubing for Vacuum Bagging film. Width 106" 2700 mm L 180 m 50 µm 180°C

## VBA 50S MT



VBA 50S is a heat-resistant flexible film of co-extruded PA / PO / PA for moulding of epoxy matrices, suitable for polymerization in oven and autoclaves with temperatures up to 180°C.

VBA 50S is very performing, its extreme softness and flexibility allows it to be used on all types of shapes, even complex ones.

APPLICATION: Autoclave - Oven

05X-VBA50S18	Sheeting for Vacuum bagging film Width 71" 1800 mm L 400 m 50 µm 180°C
05X-VBA50S60	Sheeting for Vacuum bagging film Width 236" 6000 mm L 130 m 50 µm 180°C

## VBA 75T MT



VBA 75T is a heat-resistant flexible film of co-extruded PA / PO / PA for moulding of epoxy matrices, suitable for polymerization in oven and autoclaves with temperatures up to 180°C.

VBA 75T is very performing, its extreme softness and flexibility allows it to be used on all types of shapes, even complex ones.

APPLICATION: Autoclave - Oven

05X-VBA7T045	Lay-flat tubing for Vacuum Bagging film. Width 18" 450 mm L 250 m 75 µm 180°C
05X-VBA75T06	Lay-flat tubing for Vacuum Bagging film. Width 24" 600 mm L 250 m 75 µm 180°C
05X-VBA75T09	Lay-flat tubing for Vacuum Bagging film. Width 35" 900 mm L 250 m 75 µm 180°C
05X-VBA75T12	Lay-flat tubing for Vacuum Bagging film. Width 47" 1200 mm L 250 m 75 µm 180°C
05X-VBA75T15	Lay-flat tubing for Vacuum Bagging film. Width 59" 1500 mm L 250 m 75 µm 180°C
05X-VBA75T22	Lay-flat tubing for Vacuum Bagging film. Width 87" 2200 mm L 250 m 75 µm 180°C
05X-VBA75T23	Lay-flat tubing for Vacuum Bagging film. Width 90" 2300 mm L 250 m 75 µm 180°C



## VBA 75S HR

VBA 75S is a heat-resistant flexible film of co-extruded PA / PO / PA for moulding of epoxy and polyester matrices, suitable for polymerization in oven with temperatures up to 180° C.

VBA 50S is very performing, its extreme softness and flexibility allows it to be used on all types of shapes, even complex ones.

APPLICATION: Oven - Infusion system

05XVBA75HR40	Sheeting for Vacuum Bagging film Width 157" 4000 mm L 130 m 75 µm 180°C
05XVBA75HR50	Sheeting for Vacuum Bagging film Width 196" 5000 mm L 130 m 75 µm 180°C
05XVBA75HR60	Sheeting for Vacuum Bagging film Width 236" 6000 mm L 130 m 75 µm 180°C
05XVBA75HR75	Sheeting for Vacuum Bagging film Width 314" 8000 mm L 75 m 75 µm 180°C
05XVBA75H120	Sheeting for Vacuum Bagging film Width 472" 12000 mm L 75 m 75 µm 180°C



## VBA 70S LT

VBA 70 S LT is a heat-resistant flexible film made from sheets of polyolefin and nylon blend, suitable for use as a vacuum bag in the infusion processes of epoxy and vinyl-ester resins with wide and complex structures.

VBA 70 S LT is in fact particularly resistant to the high level of manipulation and traction that occurs during the above infusion processes.

The special composition of the sheets retains the flexibility of the bag even in low-humidity areas and periods. In this way, the VBA 70 S LT bag guarantees perfect impregnation of the tissues and significant reduction of waste and emissions in any operating conditions, as well as excellent aesthetic quality of the manufactured product.

APPLICATION: Infusion system

05X-VBA70L06	Sheeting for Vacuum Bagging film Width 236" 6000 mm L 125 m 75 µm 120°C
05X-VBA70L08	Sheeting for Vacuum Bagging film Width 314" 8000 mm L 80 m 75 µm 120°C



## VBA 80S LT

VBA 80 S LT is a heat-resistant flexible film made from sheets of polyolefin and nylon blend, suitable for use as a vacuum bag in the infusion processes of epoxy and vinyl-ester resins with wide and complex structures.

VBA 80 S LT is in fact particularly resistant to the high level of manipulation and traction that occurs during the above infusion processes.

The special composition of the sheets retains the flexibility of the bag even in low-humidity areas and periods. In this way, the VBA 80 S LT bag guarantees perfect impregnation of the tissues and significant reduction of waste and emissions in any operating conditions, as well as excellent aesthetic quality of the manufactured product.

APPLICATION: Infusion system

05X-VBA80105	Sheeting for Vacuum Bagging film Width 396" 1050 mm L 75 m 80 µm 120°C
05X-VBA80L12	Sheeting for Vacuum Bagging film Width 472" 12000 mm L 75m 80 µm 120°C
05X-VBA80/16	Sheeting for Vacuum Bagging film Width 630" 16000 mm L 70 m 80 µm 120°C

BLEEDER MT



Bleeder MT is Needle-felt made with the finest polyester staple that makes it suitable for more complex laminated shapes with high elongation. The excellent ventilation makes Bleeder AM a product capable of withstanding processing in vacuum pressure autoclaves.

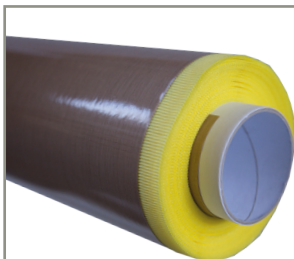
APPLICATION: Autoclave - Oven

05XAR0150120B	Non-woven polyester Bleeder. 120 gm <sup>2</sup> Width 1000 mm L 100 m
05XAR100160B	Non-woven polyester Bleeder. 150 gm <sup>2</sup> Width 1000 mm L 100 m
05XAM1001515	Non-woven polyester Bleeder. 150 gm <sup>2</sup> Width 1500 mm L 100 m (soft type)
05XAM501523B	Non-woven polyester Bleeder. 230 gm <sup>2</sup> Width 1500 mm L 50 m
05XAM501530B	Non-woven polyester Bleeder. 300 gm <sup>2</sup> Width 1500 mm L 50 m (soft type)
05XAR50-340B	Non-woven polyester Bleeder. 340 gm <sup>2</sup> Width 1000 mm L 50 m
05XAR501545B	Non-woven polyester Bleeder. 450 gm <sup>2</sup> Width 1000 mm L 50 m





## ADHESIVE RELEASE FILM HTR 260

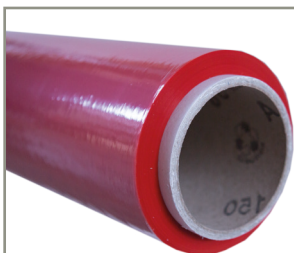


HTR 260 is a release film with a fibreglass backing, coated in PTFE and silicone adhesive on one side. The PTFE surface has excellent release properties that make it ideal for high temperature applications. The product has an embossed yellow covering to protect the adhesive surface and render identification and use easier. This film is ideal for use on flat surfaces that need excellent release properties.

APPLICATION: Autoclave - Oven

05XHTR26015M HT release film HTR 260 Width mm 1000 mm L30 m PTFE Glass Silicom 260° C

## RELEASE FILM HT



The FEP HT Release film or Teflon-FEP® is a copolymer of tetrafluoroethylene and hexafluoropropylene. It is suitable for autoclave moulding at high temperatures and pressures, and for using with most of the pre-pregs matrices e.g. epoxy, phenolic and polyester. Its low friction and low chemical reactivity allows FEP HT to have an excellent releasing power on even the most complex shapes and gives an excellent finish to the laminated product.

APPLICATION: Autoclave - Oven

05XR250-13-R HT release film FEPHT is a Width 1220 mm L 305 m 13µm 240° C

05XR150-25-R HT release film FEPHT is a Width 1220 mm L 187m 25 µm 240° C

08XP3R25013R HT release film FEPHT is a (perforated P3) Width 1220 mm L 187 m 25 µm 204° C

08XP3R25025R HT release film FEPHT is a (perforated P3) Width 1220 mm L 187 m 25 µm 204° C

## RELEASE FILM MRV 2



The release film MRV2 is a thermoplastic film of tetrafluoroethylene and hexafluoropropylene, specific to autoclave molding at high temperatures and pressures. It is indicated for most of the matrices, epoxy, phenolic and polyester.

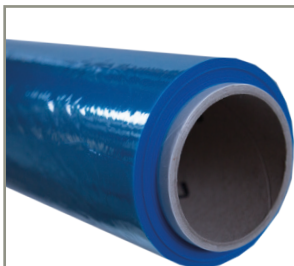
Thanks to its composition, low friction and high mechanical resistance and minimum reactivity, the release film MRV20 has an excellent release power even on complex shapes and gives a good finish to the laminate.

APPLICAZIONE: Autoclave - Oven

05XMRV2-153A HT release film MRV 2 is a Width mm 1524 mm L 153 m 20 µm 205° C



## RELEASE FILM HR

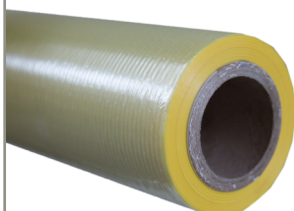


ETFE HR 25 release film is a tetrafluoroethylene. Suited for moulding in autoclave, it maintains excellent performance even when used at high temperatures and pressure, indicated for the majority of epoxy, phenol and polyester matrixes. Given its low friction composition and high mechanical strength, ETFE HR 25 has excellent release power even on the most complex shapes, giving excellent finish to the laminate.

APPLICATION: Autoclave - Oven

**05XR153-25-B** HT release film ETFE is a Width 1220 mm L 153 m 25 µm 200° C

## RELEASE FILM MT



The MT 50 Release film is suitable for applications with medium temperatures, available as MTF 50 perforated P3, P 31. It has excellent release properties on all types of resin systems: polyester, vinylester and epoxy. However, before using in the production process, check the chemical compatibility with the resin system used.

APPLICATION: Autoclave - Oven - Infusion system

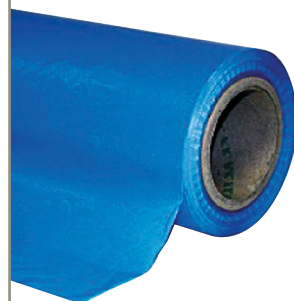
**05XR250-30-G** MT release film MT 30 is a Width 1500 L 250 m 30 µm 153° C

**05XR250-50-G** MT release film MT 50 is a Width 1500 L 250 m 50 µm 153° C

**05XR25050P31** MT release film MT 30 is a (perf. P31) Width mm 1500 L 250 m 30 µm 153° C

**05XR250M50P3** MT release film MT 30 is a (perf. P3) Width mm 1500 L 250 m 30 µm 153° C

## RELEASE FILM LT



The LT 28 release film is suitable for low temperature applications - the LTF 28 version with perforations of P3 and P8 is particularly suitable for resin infusion processes. It has excellent release properties on all resin systems: polyester, vinylester and epoxy. However, before using in the production process, check the chemical compatibility with the resin system used. However, before using in the production process, check the chemical compatibility with the resin system used.

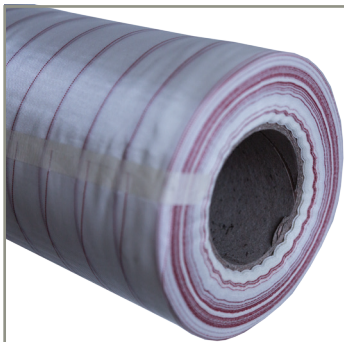
APPLICATION: Oven - Infusion system

**05XR250P328A** LT release film LT28 is a (perforated P3) Width 1500 mm L 250 m 28 µm 120°C

**08XR250P828A** LT release film LT28 is a (perforated P8) Width 1500 mm L 250 m 28 µm 120°C

**08XR250-28-A** LT release film LT28 is a Width 1500 mm L 500 m 28 µm 120°C





MT85 P6

The MT85 P6 Peel Ply are release fabrics specifically for professional use, they can be used in different moulding methods and resin systems. The use of MT85 P6 release fabrics is essential for performing any kind of bonding or painting operations on laminated products. P6 MT85 Peel Ply is treated chemically to remove impurities left during weaving which can contaminate the laminate. It is thermally fixed to withstand the temperatures indicated. In addition, the MT85 P6 Peel Ply comes with red tracers in the warp for better identifying the positioning and orientation on the laminate. If positioned correctly, the Vaber Peel Ply fabrics are easy to remove from the laminate.

APPLICATION: Autoclave - Oven - Infusion system

05XPP005085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 50 L 100 m
05XPP010085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 100 L 100 m
05XPP015085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 150 L 100 m
05XPP020085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 200 L 100 m
05XPP025085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 250 L 100 m
05XPP030085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 300 L 100 m
05XPP035085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 350 L 100 m
05XPP040085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 400 L 100 m
05XPP045085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 450 L 100 m
05XPP050085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 500 L 100 m
05XPP100085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 1000 L 100 m
05XPP150085W	Nylon Release ply fabric with red tracers 85 gm <sup>2</sup> Width mm 1520 L 100 m





## STHT 204V



STHT 204 V is a butyl sealant tape with high adhesive power formulated to seal the films to the moulds, particularly suitable for autoclaves and high-temperature furnaces. STHT 204 V maintains the vacuum and is suitable for applications up to 204° C. The main characteristics of the STHT 204 V tape are: high adhesion, high modulus, high tensile strength and high coating performance. This brings advantages such as easy application and removal at room temperature and leaves the surfaces of the moulds clean. Recommended for use with Vacuum Bagging VBA 50 - VBA 50 HT.

APPLICATION: Autoclave - Oven

05XSTHT102AN STHT 240 V - is a HT sealant tape mm 12 x 3 x 22 m (22 rolls per case) 204°C

## STMT 180



STMT 180 is a butyl sealant tape with high adhesive power formulated to seal the films to the moulds, particularly suitable for autoclaves and furnaces during the moulding of composite materials. STMT 180 maintains the vacuum and is suitable for applications up to 180° C. The main characteristics of the STMT 180 tape are: high adhesion, high modulus, high tensile strength and high coating performance. This brings advantages such as easy application and removal at room temperature and leaves the surfaces of the moulds clean. Recommended for use with Vacuum Bagging VBA 50.

APPLICATION: Autoclave - Oven

05XSTMT052NE STHT 180 - is a MT sealant tape mm 5 x 2 x 20 m (30 rolls x case) 180 °C

05XSTMT102NE STHT 180 - is a MT sealant tape mm 10 x 2 x 22 m (22 rolls x case) 180 °C

05XSTMT103NE STHT 180 - is a MT sealant tape mm 10 x 3 x 15 m (22 rolls x case) 180 °C

05XSTMTNE123 STHT 180 - is a MT sealant tape mm 12 x 3 x 15 m (22 rolls x case) 180 °C

## TST MT 180



TST MT 180 is a butyl sealant tape with high adhesive power formulated to seal the films to the moulds, particularly suitable for autoclaves and furnaces during the moulding of composite materials. TST MT 180 maintains the vacuum and is suitable for applications up to 180° C. The main characteristics of the TST MT 180 tape are: high adhesion, high modulus, high tensile strength and high coating performance. This brings advantages such as easy application and removal at room temperature and leaves the surfaces of the moulds clean. Recommended for use with Vacuum Bagging VBA 50.

APPLICATION: Autoclave - Oven - Infusion system

05XSTMTN123 TST MT 180- is a MT sealant tape mm 12 x 3 x 15 m twin (10 rolls x case) 180 °C

## STLT 120



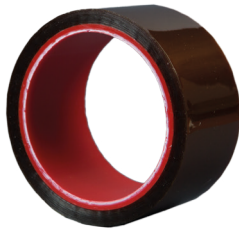
STLT 120 is a butyl sealant tape with high adhesive power formulated to seal the films to the moulds, particularly suitable for the infusion method during the moulding of composite materials. STLT 120 maintains the vacuum and is suitable for applications up to 120° C. The main characteristics of the STLT 120 tape are: high adhesion, high modulus, high tensile strength and high coating performance. This brings advantages such as easy application and removal at room temperature and leaves the surfaces of the moulds clean. Recommended for use with Vacuum Bagging VBA 50 - VBA 70 S LT - VBA 80 S LT.

APPLICATION: Infusion system

05XSTLT102GR STLT 120 - is a LT sealant tape mm 10 x 2 x 396 m (22 rolls per case) 120° C



## POLYAMIDE SILICONE ADHESIVE TAPE KAP 300



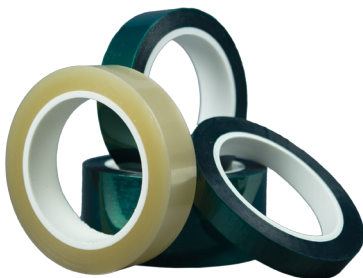
KAP 300 is a polyamide tape with a polymer silicon adhesive, suitable for autoclave cycles up to 300° C.

KAP 300 is indicated for fixing release film, ventilation textiles, thermo-couples, vacuum bags, etc. during polymerisation in high temperature ovens or autoclaves.

APPLICATION: Autoclave - Oven

05XKAP25PSIA	Adhesive tape KAP 300 Width 25 mm L 33 m Polyester/silicon braun 50µm 300° C
05XKAP50PSIA	Adhesive tape KAP 300 Width 50 mm L 33 m Polyester/silicon braun 50µm 300° C

## SILICONE POLYESTER ADHESIVE TAPE



The ADHESIV TAPE HT tapes are made of polyester with a silicone adhesive. They are resistant to high temperatures and have high mechanical strength. Recommended for processes in furnaces and autoclaves up to a temperature of 180° C.

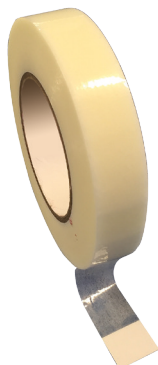
The ADHESIV TAPE HT has a green opalescent colour, which allows good visibility when placed on parts or the mould; it has a height of 25 mm and also comes in a transparent version.

The ADHESIV TAPE HT tapes can be used to bond metals and composites, and are suitable for vacuum bagging, thermo-coupling or for performing masking and protection operations. The ADHESIV TAPE HT tapes are very easy to remove after polymerisation.

APPLICATION: Autoclave - Oven

05XAT1550PSV	Adhesive tape HT Width 15 mm L 66 meter Polyester/silicon Green 50 µm 180° C
05XAT2550PSV	Adhesive tape HT Width 25 mm L 66 meter Polyester/silicon Green 50 µm 180° C
05XAT2550PSN	Adhesive tape HT Width 25 mm L 66 meter Polyester/silicon Transparent 50 µm 180° C
05XAT5050PSV	Adhesive tape HT Width 50 mm L 66 meter Polyester/silicon Transparent 50 µm 180° C

## ADHESIVE & BIADHESIVE TAPE



The PTA adhesive tape 160 is made of polyester / TNT with an adhesive acrylic, resistant to average temperatures.

High mechanical tensile strength, its use is recommended for cycles in the oven and the autoclave up to 160° C.

The PTA 160 is opalescent white color, allows a good visibility when it is placed on the parts or on the mold;

The PTA tape 160 has various applications in bonding processes fabrics and composites, suitable for positioning and fixing the film, bleeder of molds or on itself.

APPLICATION: Autoclave - Oven - Infusion system

05XAT2550PAB	Adhesive tape PA160 Width 25 mm L 50 m Polyester/acrylic Withe 140 µm 160° C
05XBA2550PAN	Biadhesive tape PA160 Width 25 mm L 50 m Polyester/acrylic Withe 140 µm 160° C

## HT SS 232



HT SS 232 Flexible tubing for use in autoclaves and ovens, made from stabilised silicone rubber, equipped internally with a single stainless steel spring.

A system that guarantees top level, reliable and flexible performance in all forming processes inside autoclaves and ovens, up to a maximum temperature of 232° C.

HT SS 232 Assembled tubing with internal and external support springs, with the joints secured by seizing on the silicone tube.

All couplings are constructed to ISOB standards.

APPLICATIONE: Autoclave

05XHTS814L10	can be used as an autoclave or oven hose. 232 °C 10 bar L 1 m
05XHTS814L15	can be used as an autoclave or oven hose. 232 °C 10 bar L 1,5 m
05XHTS814L20	can be used as an autoclave or oven hose. 232 °C 10 bar L 2 m
05XHTS814L25	can be used as an autoclave or oven hose. 232 °C 10 bar L 2,5 m
05XHTS814L30	can be used as an autoclave or oven hose. 232 °C 10 bar L 3 m
05XHTS814L35	can be used as an autoclave or oven hose. 232 °C 10 bar L 3,5 m
05XHTS814L40	can be used as an autoclave or oven hose. 232 °C 10 bar L 4 m
05XHTS814L45	can be used as an autoclave or oven hose. 232 °C 10 bar L 4,5 m
05XHTS814L50	can be used as an autoclave or oven hose. 232 °C 10 bar L 5 m
05XHTS814L55	can be used as an autoclave or oven hose. 232 °C 10 bar L 5,5 m
05XHTS814L60	can be used as an autoclave or oven hose. 232 °C 10 bar L 6 m



## SUPPORT VALVE HT



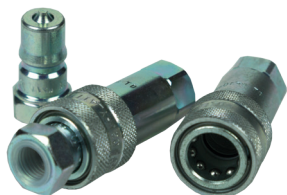
IR1460 / VT 1463 are supports fully realized in Ergal, thanks to their particular shape helps the laminate ventilation. These supports are widely used by the industry of super car and in the production of composites with the healing processes in the autoclave and oven. The support is provided with a silicone seal and with a simple manual locking which guarantees a perfect seal.

APPLICATION: Autoclave - Oven

**05XERGVT1463** Valve support with silicone rubber sealing gasket  $\frac{1}{4}$  Ø 60 260°C

**05XERGIR1460** Locking system valve support with silicone rubber sealing gasket  $\frac{1}{4}$  Ø 60 260°C

## QUICK CONNECTION HT



The QC 14250V rapid couplings are male and female quick-release valves. Our connections are available in galvanised steel for the most common applications. Once engaged, the special spring system of the QC 14250V connections allows freeing the passage of air. Instead, when released, the Viton seals of this system are capable of withstanding high temperatures and guaranteeing a secure seal. It is recommended to use Teflon on the thread. It can be used with the following articles: HT SS 232 - 14ISOV - 1450V and with many other products on the market.

APPLICATION: Autoclave - Oven

**05XQCM14250V** Male quick connection series ISOV (Viton)  $\frac{1}{4}$  250° C

**05XQCF14250V** Female quick connection series ISOV (Viton)  $\frac{1}{4}$  250° C

## QUICK CONNECTION MT



The QC 14ISOV rapid couplings are male and female quick-release valves. Our connections are available in galvanised steel for the most common applications. Once engaged, the special spring system of the QC 14ISOV connections allows freeing the passage of air. Instead, when released, the Viton seals of this system are capable of withstanding high temperatures and guaranteeing a secure seal. It is recommended to use Teflon on the thread. It can be used with the following articles: HT SS 232 - 14ISOV - 1450V and with many other products on the market.

APPLICATION: Autoclave - Oven

**05XQCM14ISOV** Attacco Rapido Maschio Serie ISO V Viton  $\frac{1}{4}$

**05XQCF14ISOV** Attacco Rapido Femmina Serie ISO V Viton  $\frac{1}{4}$

## VACUUM GAUGE VG63/ VG63I



The vacuum gauge VG 63 is a resistant and cheap vacuum control device. It allows measuring the local vacuum in the vacuum bag, but it can be fitted on any autoclave or vacuum pump. The VG 63 gauge has a very visible measuring scale in bar. It is recommended to use Teflon on the thread. The stainless steel case of the Vaber VG 63 INOX vacuum control device makes it very resistant, and allows measuring the local vacuum in the vacuum bag, but it can be fitted on any autoclave or vacuum pump. The Vaber VG 63 INOX gauge has a very visible measuring scale in bar, and is stabilised in glycerine.

APPLICATION: Autoclave - Oven - Infusion system

**05XVG63DB01N** Vuotometro Cassa ABS El. in ottone Ø 63 secco

**05XVG63DB01I** Vuotometro Cas. Inox El. in ottone Ø 63 Glicerina



## RESIN TRAP

Resin Trap 9 is a vacuum container designed and manufactured in Italy. It aims to simplify and improve the resin infusion process. Thanks to its sealing system and the control valve, it is possible to obtain the required pressure. During the positioning of the bag and monitor there are no leaks in the mold, good seal of the bag before starting the infusion cycle, as well as collecting the eventual resin leaks throughout the infusion process under vacuum, which would irreparably damage the vacuum pump.

APPLICATION: Infusion system

**05XINFRT1609** Polycarbonate Resin Trap Ø 200 mm 9 liters with 4 grafts

**05XINFRT1509** Stainless steel Resin Trap Ø 204 mm 9 liters with 4 grafts



### INFUSION VALVE "T" FITTING

PVC valve to the vacuum system in the resin infusion processes, suitable for sending and block the conduits vacuum or to exclude the circuit. PVC "T" fittings are used for joining tubes in the process infusion.

APPLICATION: Infusion system



05XINFUR1212	PVC Red infusion valve per tube Ø 10 - 12
05XINFUR1215	PVC Red infusion valve per tube Ø 12 - 15
05XINFUT1012	PVC "T" fittings 10 X 12
05XINFUT1215	PVC "T" fittings 12 X 15





## RESIN FEED SPIRAL DUAL MESH



When using a spiral tube as vacuum infusion line, one of the greatest problems is the marking of the laminate.

The Dual Mesh is a product that combines a meshed together with a tube spiral, in order to optimize the distribution of the resin and avoid the marking of the laminate during the infusion process.

Dual Mesh can also be used as a vacuum line.

It can replace the mold flange when it is too tight

APPLICATION: Infusion system

05XINFDM1012 Dual Mesh Resin feed spiral with mesh Ø 10 X 12 color white/green

05XINFDM1214 Dual Mesh Resin feed spiral with mesh Ø 12 X 14 color white/green

05XINFDM1417 Dual Mesh Resin feed spiral with mesh Ø 14 X 17 color white/green

## RESIN STOP



It is a technique developed flange to maintain the degree of vacuum during all stages of the infusion process.

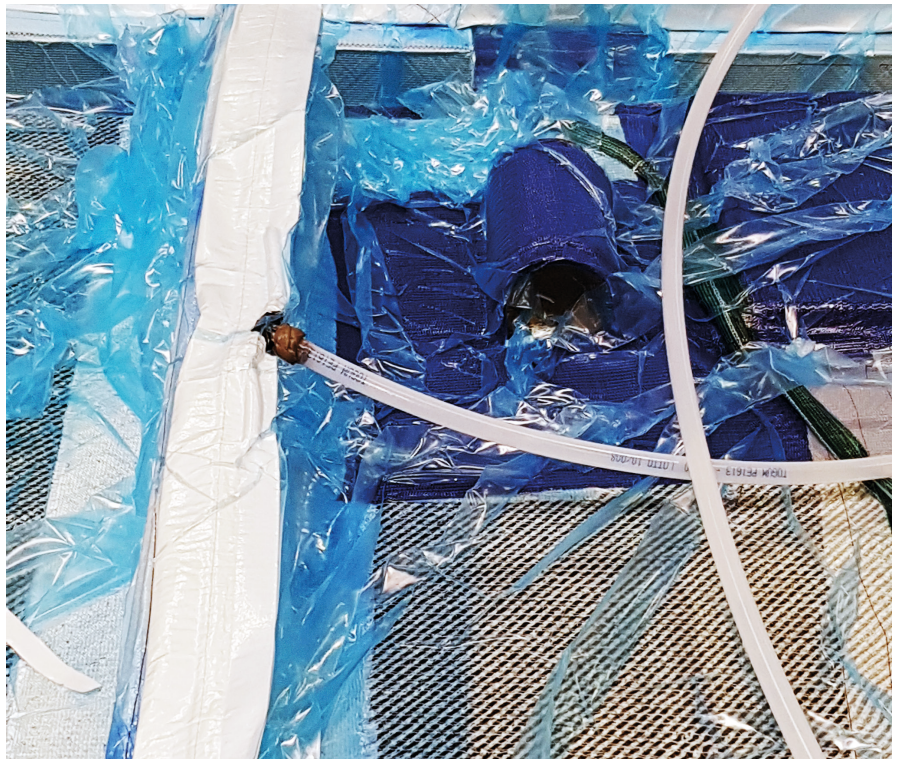
Can be used with major resin systems such as polyester, vinyl ester and epoxy.

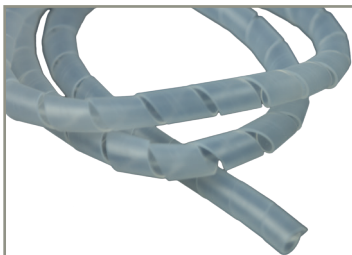
It was specifically designed to:

- avoid resin waste and preserves the material used as the suction.
- allow to work on all normal mold open even without flange
- quick installation thanks to its adhesive system.

APPLICATION: Infusion system

05XINFURS100 Stop resin width 100 mm x 25 m





## RESIN FEED SPIRAL

The spiral for infusion is normally used in a process vacuum infusion; the structure of this product allows to optimize the flow of the resin, the desired points, directing the depression that will be later filled and replaced by the fluid.

APPLICATION: Infusion system

05XINFUS1012	Resin feed spiral Ø 10 X 12 translucent polyethylene
05XINFUS1214	Resin feed spiral Ø 12 X 14 translucent polyethylene
05XINFUS1417	Resin feed spiral Ø 14 X 17 translucent polyethylene



## INFUSION TUBE

The polyethylene tube allows the infusion running, suitable for the resin infusion and aspiration, compatible with most of polyester resins, epoxy vinylester.

APPLICATION: Infusion system

05XINFTP0810	Infusion tube polyethylene Ø 8 x 110 translucent
05XINFTP1012	Infusion tube polyethylene Ø 10 x 12 translucent
05XINFTP1215	Infusion tube polyethylene Ø 12 x 15 translucent
05XINFTP1316	Infusion tube polyethylene Ø 13 x 16 translucent
05XINFTP1518	Infusion tube polyethylene Ø 15 x 18 translucent
05XINFTP1720	Infusion tube polyethylene Ø 17 x 20 translucent
05XINFTP2025	Infusion tube polyethylene Ø 20 x 25 translucent



GRAND SOLEIL 58 - Foto Fabio Taccolai®



## ADHESIVE SPRAY TACK 5

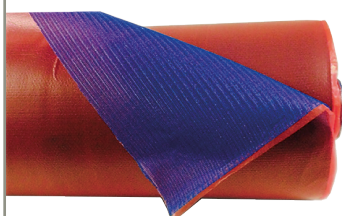


The TACK SPRAY 5 is a temporary adhesive indicated for the positioning of glass and carbon fiber fabrics in the manufacture of materials composite polyester resins, vinylester and epoxy with the method of vacuum infusion.

APPLICATION: Infusion system

**05XADSP5B500** Adhesive Spray Tack 5 temporary fixation for dry fabrics from 500 CC

## INFUSION SYSTEM MESH



Drainage mesh coupled with perforated release film by bonding, suitable for resin infusion processes compatible with the most types of epoxy resin and polyester on the market.

APPLICATION: Infusion system

**05XRE15LTFP8** Infusion System mesh and release film perforade P8 Width 1450 mm x 100 m

## VACUUM CONNECTOR



Connector tube for infusion is specific for the infusion process, is applied inside the bag, the spiral is housed in the conical base and in the outer cylindrical part is fixed the tube. The same connector can be used both for the suction, when connected to vacuum that for the injection of the resin.

APPLICATION: Infusion system

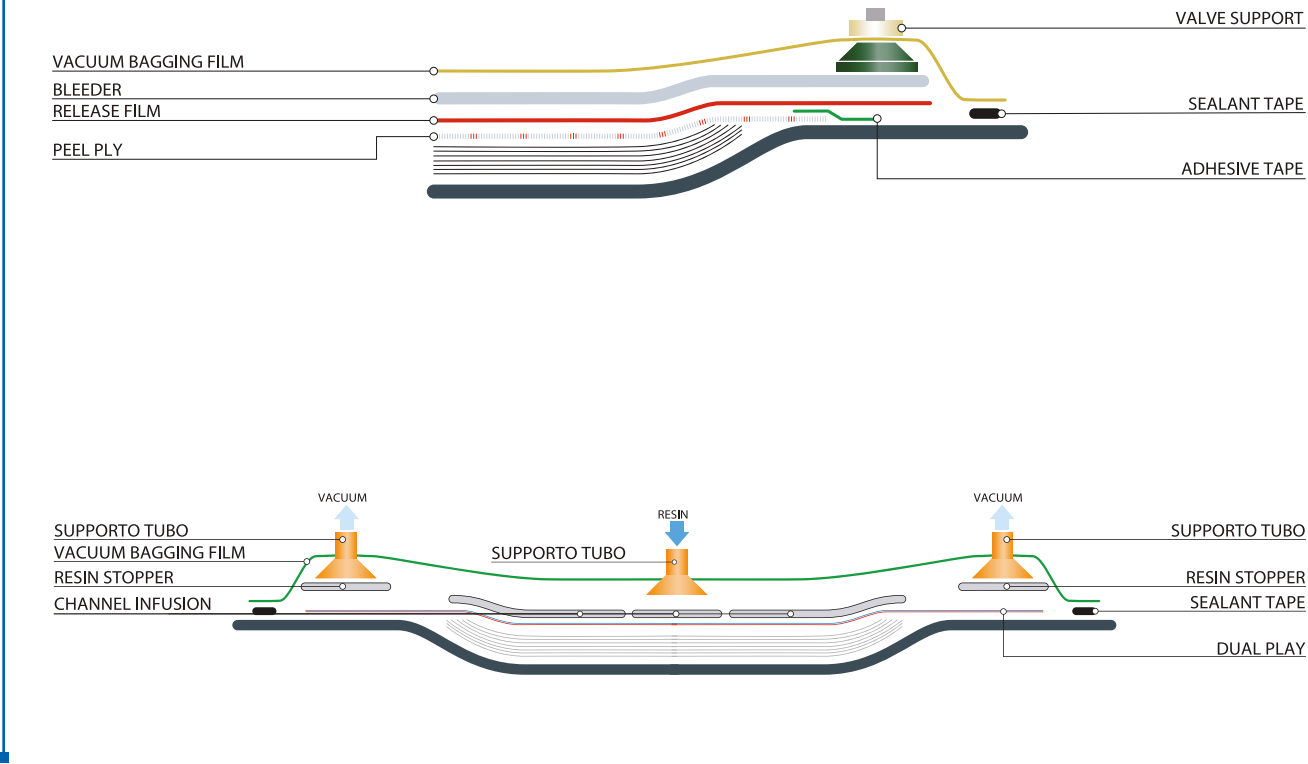
**05XINFUSUP12** PEHD Vacuum Connector Ø12 mm color orange

**05XINFUSUP15** PEHD Vacuum Connector Ø15 mm color orange

**05XINFUSUP18** PEHD Vacuum Connector Ø18 mm color orange



## TYPICAL VACUUM LAY-UP



## NOTE



Nel **1957, VABER INDUSTRIALE** inizia la sua attività a Torino producendo adesivi per il primo impianto nel settore automobilistico, in quella che diventerà la capitale dell'auto italiana con la presenza di marchi prestigiosi come Lancia, Alfa Romeo e Fiat.

Dal 1965 diversifica la produzione inserendosi nel promettente mercato dei fornitori di primo equipaggio e car refinishing.

In quegli stessi anni avvia la produzione di un'ampia gamma di prodotti per l'industria degli elettrodomestici e del condizionamento.

Negli anni '80 nascono i prodotti speciali per il settore nautico, l'edilizia e le reti di distribuzione day plan di acqua e gas.

Sempre attenta all'evoluzione del mercato, Vaber Industriale è tra le prime aziende che realizzano dei prodotti tecnologici avanzati a base acqua e a basso o ridotto impatto ambientale.

In particolare sono stati apprezzati dal mercato gli innovativi sigillanti a base MS Polimer®.

Dalla fine degli anni '90, grazie all'accordo siglato con il gruppo ITW Plexus®, Vaber Industriale è distributore esclusivo in Italia dei prestigiosi adesivi strutturali che trovano impiego in molteplici settori industriali.

**VABER INDUSTRIALE** è presente sul mercato con oltre 57 anni di attività caratterizzati dal desiderio costante di crescere attraverso l'innovazione e il miglioramento della qualità dei prodotti per anticipare e soddisfare sempre i bisogni dei clienti vecchi e nuovi.

*In **1957, VABER INDUSTRIALE** began its activities producing adhesives for Original Equipment in the automotive sector. It was located in Turin, the city that was to become the Italian capital of the automobile with the presence of prestigious names like Lancia, Alfa Romeo and Fiat.*

*In 1965, the company diversified its production entering the promising market of suppliers of original equipment and car refinishing. In those same years, it started the production of a wide range of products for the household appliance and air-conditioning industries.*

*In the 1980s, Vaber Industriale began making the first special products for the marine industry, for construction and for day-plan, water and gas distribution networks.*

*Always attentive to the evolution of the market, Vaber Industriale was one of the first companies to manufacture advanced technological water-based products with low or reduced environmental impact. Particularly appreciated by the market are the innovative MS Polymer®-based sealants.*

*Since the end of the 1990s, thanks to an agreement underwritten with the ITW Plexus® Group, Vaber Industriale has been the exclusive dealer in Italy of the prestigious structural adhesives that are widely used in many industrial sectors.*

**VABER INDUSTRIALE** today is celebrating 57 years of activity, characterised by the constant desire for growth through innovation and improvement of the quality of its products, to anticipate and always to satisfy the needs of its customers, old and new.

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