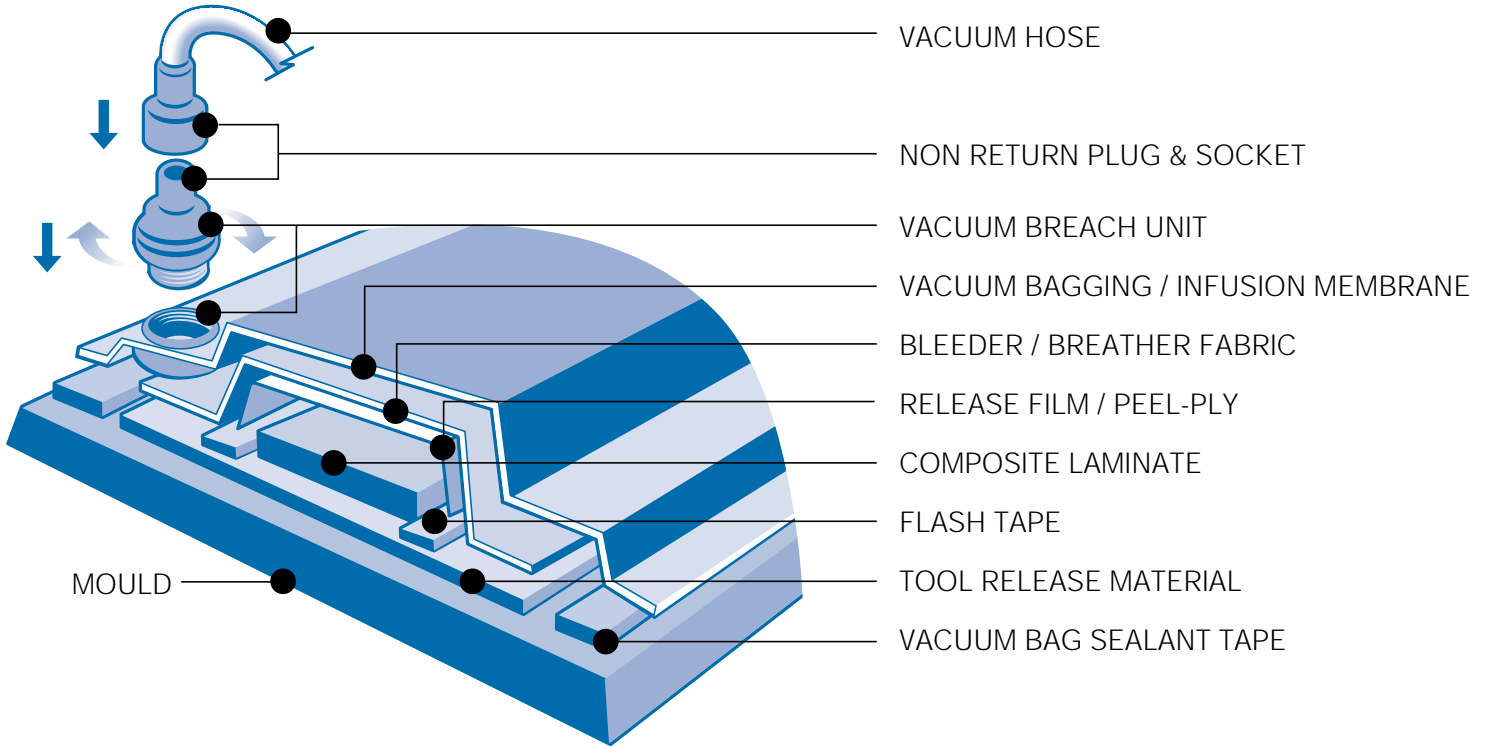




AEROVAC
SHAPING THE FUTURE

PRODUCT GUIDE

The product selector guide details the many options within each product group. For advice on the most suitable material for your specific application, please contact our technical sales department.



The diagram above illustrates a cross section of a simple vacuum bag lay up. The constituent parts are described below.

VACUUM BAGGING FILMS

Product Ref	Max use Temp °C	Film Type	Format	Thickness (mm)	Max Width	Colour
CAPRAN 77C	93°	Nylon	Sheet	0.050/0.076	2.13m	Clear
VACFILM 230	100°	Elastomeric	Sheet	0.15	1.22m	Opaque
VACFILM 430	120°	Elastomeric	Sheet	0.05	2.80m	Opaque
VACFILM 750	180°	Elastomeric	Sheet	0.076	1.50m	Beige
VACFILM CL	160°	Blend	Tube	0.055/0.08	4.8m	Clear
CAPRAN 518	199°	Nylon	Tube & sheet	0.050/0.076	4.06m	Green
CAPRAN 512	199°	Nylon	Tube & sheet	0.050/0.076	6.10m	Clear
CAPRAN 980	199°	Nylon	Sheet	0.050/0.076	2.13m	Clear
ELASTOMAX 1000	200°	Elastomeric	Tube & sheet	0.050/0.076	4.06m	Pink
VACPAK HS8171	215°	Nylon	Tube & sheet	0.050/0.076	4.06m	Blue/Green
CAPRAN 526	232°	Nylon	Tube & sheet	0.050/0.076	3.40m	Blue
VB-3	315°	PTFE	Sheet	0.076	1.27m	Beige
VACPAK UHT-750	426°	Polyimide	Sheet	0.025/0.050/0.076	1.27m	Amber

A comprehensive range of widths in both tube and sheet are available from stock

VACUUM BAG SEALANT TAPES

Product Ref	Max Use Temp °C	Colour	Comments
LTS90B	150°	Black	Inexpensive low temperature tape
HTS150	155°	White	Economic tape, ideally suited to debulk operations
HTS200	205°	Cream	Clean release after cure
HTS195	205°	Black	High pressure autoclave curing
SM5144	191°	Yellow	Long established, major international qualifications
SM5130	204°	Grey	Latest development, extremely versatile
SM5127	204°	Dark grey	Long established, major international qualifications
SM5126	232°	Dark grey	Recommended for high temperature post cures
SM5170	232°	Natural	Premium tape covering a wide range of applications
SM5160	371°	Rust	Developed for use with thermoplastics

RELEASE FILMS

Product Ref	Max Use Temp °C	Type	Standard Thickness (mm)	Standard Widths	Colour
B2000	100°	PP	0.025	1.00m & 1.25m	Clear & Printed
A2000	155°	Blend	0.035/0.050	1.52m	Red
A2100Y	155°	Blend	0.035 to 0.045	1.5m & 1.8m	Yellow
HALAR	160°	ECTFE	0.0127	1.22m	White
A2500	200°	PMP	0.030/0.050	1.10m & 1.37m	Red
A6000	230°	ETFE	0.012/0.0150/0.020	1.30m	Blue
A5000	204°	FEP	0.025/0.050	1.22m & 1.52m	Clear, Red, White & Violet
MR FILM	315°	PTFE	0.025/0.050	1.22m	Red & Beige

A range of perforated patterns are available from stock

BLEEDER & BREATHER FABRICS

Product Ref	Max Use Temp °C	Standard Widths	Applications
AIRBLEED 85	205°	1.52m	Light weight polyester bleeder for low pressure cures
AIRBLEED 120	205°	0.76m & 1.52m	Light weight polyester breather/bleeder for low pressure cures
AIRBLEED 100	205°	0.76m & 1.52m	Medium weight polyester breather/bleeder for low pressure cures
AIRBLEED 100V	205°	1.52m	Medium weight synthetic breather/bleeder for complex curvatures
AIRBLEED 200	205°	1.52m	Medium weight polyester breather/bleeder for low pressure cures
AIRBLEED 10	205°	0.76m & 1.52m	Heavy weight polyester breather/bleeder for high pressure cures
AIRBLEED 10HA	205°	0.76m & 1.52m	Heavy weight polyester breather/bleeder for high pressure cures
AIRBLEED 10V	205°	1.52m	Heavy weight synthetic breather/bleeder for complex curvatures
AIRBLEED 20	205°	1.52m	Very heavy weight polyester breather/bleeder for high pressure cures
AIRBLEED 33N	232°	1.52m	High temperature nylon/polyester breather/bleeder for high pressure cures
VACTRAK 65	210°	0.065m	Edge breather for fast tracking of vacuum across tooling
VI2/VI4 INFUSION MESH	80°	1.00m & 1.25m	Infusion mesh for vacuum assisted resin transfer process

A wide range of slit widths are available from stock



RELEASE FABRICS

Product Ref	Max Use Temp °C	Standard Widths	Fabric Type	Release Coating	Colour
A100	180°	1.52m	Nylon	None	Natural
A100 FLO GREEN	180°	1.52m	Nylon	None	Fluorescent green
A100PS	180°	1.52m	Nylon	None	Natural with red pin stripe
D300	180°	1.52m	Nylon	None	Pink
B100	180°	1.52m	Nylon	None	Natural
BR100	180°	1.52m	Nylon	Fluorocarbon	Pink
A8888	180°	1.52m	Nylon	Silicone	Green
B4444	180°	1.52m	Nylon	Silicone	Green
A85PS	180°	1.52m	Polyester	None	Natural with orange pin stripe
G500	180°	1.52m	Polyester	None	Dark green
F400	210°	1.52m	Polyester	None	Natural
60001	200°	1.52m	Polyester	None	Natural
70001	180°	1.52m	Polyester	None	Natural
E5555	475°	0.96m	Glass	Silicone	Green
1581C	482°	0.96m	Glass	Silicone	Green

A wide range of slit widths are available from stock

PTFE COATED GLASS RELEASE FABRICS - POROUS AND NON POROUS

Product Ref	Max Use Temp °C	Standard Widths	Thickness (mm)
FF03PM	320°	1.00m/1.52m/2.00m	0.075mm - Porous
FF10PM	320°	1.00m/1.52m/2.00m	0.250mm - Porous
200TFP-1	320°	1.00m	0.35mm - Porous
FF025OW	260°	1.00m	0.670mm - Porous
FF030OW	260°	1.00m	0.771mm - Porous
FF03A	320°	1.00m/1.52m/2.00m	0.077mm - Non Porous
FF05A	320°	1.00m/1.52m/2.00m	0.125mm - Non Porous
FF10A	320°	1.00m/1.52m/2.00m	0.250mm - Non Porous

A wide range of slit widths are available from stock

FLASHTAPES

Product Ref	Max Use Temp °C	Base Material	Adhesive	Standard Widths	Colour
FLASHTAPE 1-5	200°	Polyester	Silicone	25mm/50mm/100mm	Blue
FLASHTAPE 1-5	180°	Polyester	Acrylic	25mm/50mm/100mm	Blue
FLASHTAPE 6	200°	Nylon	Rubber	25mm/50mm	Cream
FLASHTAPE 7	180°	Polyester	Rubber	25mm/50mm	Green
FLASHTAPE 8	180°	Polyester	Rubber	25mm/50mm	Green
FLASHTAPE 9	200°	Polyester	Silicone	25mm/50mm	Salmon
POLY 1	300°	Polyimide	Silicone	25mm	Amber
LE TAPE	230°	PTFE	Silicone & Acrylic	25mm/50mm/76mm	Brown
CF50	Ambient	Fabric	Rubber	50mm	White
RAPHOLD 1	180°	Polyester	Acrylic	25mm	Clear

Other widths available to order



SELF ADHESIVE TOOL RELEASE MATERIAL

Product Ref	Max Use Temp °C	Standard Widths	Material
FF03/05/06/10AP	230°	1.00m	PTFE Coated Glass Fabric
FF05/06AAP	230°	1.00m	PTFE Coated Glass Fabric
SKAP03/05/10	230°	1.00m	Unsupported PTFE
FF05MC	230°	1.00m	PTFE Coated Glass Fabric

Available with silicone or acrylic adhesive, and other widths are available to order

VACUUM FITTINGS

Product Ref	Application
VBU25N2	3 part vacuum breach unit - 50mm diameter base
VBU25N	3 part vacuum breach unit - 76mm diameter base
VBU25TP2	2 part vacuum breach unit - 50mm diameter base - self cutting
VBU25TP3	2 part vacuum breach unit - 76mm diameter base - self cutting
NON RETURN PLUGS	Available in brass, steel and stainless steel. High temperature Viton 'O' rings standard
NON RETURN SOCKETS	Available in brass, steel and stainless steel. High temperature Viton 'O' rings standard
AMBIENT RUBBER HOSE	Low temperture general workshop hose
VACHOSE	Silicone rubber oven/autoclave hose. Operating temperature up to 200°c
93S	Stainless steel braided PTFE hose with external silicone sheath. Operating temperature up to 200°c
VACUUM GAUGE	Graduated in bar and Hg

MISCELLANEOUS

Product Ref	Application
SHRINK TITE TAPE	High shrink modified polyester tape, 32mm & 64mm wide rolls, 20% shrinkage at 150°c
AEROVAC SHEARS	High performance shears for cutting glass, kevlar and carbon fibres
URETHANE CUTTING SURFACES	Self sealing urethane cutting surfaces
AEROVAC KNIVES	With retractable snap off blades for cutting pre-preg, consumables & dry fabrics
LEAK DETECTOR	For detection of leaks in tools, vacuum bags, hoses, etc.
SOLO CLAMP	One handed pump action 'G' clamp with pivoting metal jaws; available with 100mm & 150mm jaws
SPRAYFLON PLUS 3	PTFE aerosol release agent spray and bulk liquid
FITTINGS	Full range of male to male connectors, T pieces, elbows, crosspieces, etc
AEROGRIP	Breather adhesion tape
THERMOCOUPLES	Type J & K available, made to length with welded ends and fitted with plugs
VACUUM PUMPS	Full range of vacuum pumps are available to order
STILLAGES	Storage solutions for Breather/Bleeder are available to customer order
SILICONE ADHESIVE	Full range available on request



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