

SECTION GUIDE

PRESSURE SENSITIVE TAPES

Name	Carrier type	Adhesive type	Maximum use temperature	Colour	Total thickness	Page
Corehold P-HA	Polyester	Rubber based	-	Clear	165 µm	1
EconoTape 1	Polyester	Silicone	177°C	Green	50 µm	2
EconoTape 2	Polyester	Silicone	177°C	Green	75 µm	3
Econobreaker 2R	Polyester	Rubber	177°C	Clear	100 µm	4
Flashbreaker® 1	Polyester	Silicone	204°C	Blue / Orange	55 µm	5
Flashbreaker® 2	Polyester	Silicone	204°C	Blue / Orange	83 µm	6
Flashbreaker® 5	Polyester	Silicone	204°C	Blue / Orange	175 µm	7
Flashbreaker® 1R	Polyester	Rubber	204°C	Green	75 µm	8
Flashbreaker® 2R	Polyester	Rubber	204°C	Green	100 µm	9
Flashbreaker® 5R	Polyester	Rubber	204°C	Green	175 µm	10
Flashbreaker® 1 (HT)	Polyester	High tack silicone	204°C	Yellow	90 µm	11
Flashbreaker® 2 (HT)	Polyester	High tack silicone	204°C	Yellow	106 µm	12
Flashbreaker® 2R (HT)	Polyester	High tack rubber	204°C	Red	93 µm	13
Flashbreaker® 2CBS	Polyester	Silicone	204°C	Blue	120 µm	14
Airhold 1 CBS	Polyester	Acrylic	204°C	Clear	89 µm	15
Airhold 10 CBS	Cloth	Rubber	60°C	White	280 µm	16
Teflease MG2	PTFE	Silicone	260°C	Light brown	88 µm	17
Teflease MG2A	PTFE	Acrylic	204°C	Light brown	80 µm	18
Teflease MG2R	PTFE	Rubber	204°C	Light brown	88 µm	19
Teflease MG2E Yellow	Extruded PTFE	Silicone	260°C	Yellow	88 µm	20
Teflease MG2 Orange	PTFE	Silicone	260°C	Orange	102 µm	21
Wrightlease	Extruded fluoropolymer	Silicone	260°C	Orange	125 µm (0,005 inch)	22
Wrightlease 2R	Extruded fluoropolymer	Rubber (Light green)	204°C	Light brown	88 µm	23
Toolwright 3	Extruded fluoropolymer	Silicone	260°C	Light orange	75 µm	24
Toolwright 5	Extruded fluoropolymer	Silicone	260°C	Light orange	125 µm	25
TFG 075 AH	PTFE Coated Glass Fabric	Silicone	260°C	Brown	125 µm	26
TFG 125 AH	PTFE Coated Glass Fabric	Silicone	260°C	Brown	175 µm	27
TFG 250 AH	PTFE Coated Glass Fabric	Silicone	260°C	Brown	300 µm	28
Tooltec® A005	PTFE / Glass	Silicone	260°C	Light brown	125 µm	29
Tooltec® A012	PTFE / Glass	Silicone	260°C	Light brown	304 µm	30

Catalogue position : [Pressure sensitive tapes](#)

SECTION GUIDE

PRESSURE SENSITIVE TAPES

Name	Carrier type	Adhesive type	Maximum use temperature	Colour	Total thickness	Page
Tooltec® A007	PTFE / Glass	Silicone	260°C	Light brown	175 µm	31
Tooltec® CS5	PTFE	Silicone	260°C	Light brown	165 µm	32
Tooltec® CA5	PTFE	Acrylic	204°C	Light brown	163 µm	33
Wrightcast 8500 PS	Nylon	Rubber	204°C	Yellow	81 µm	34
Airkap 1	Polyimide	Silicone	399°C	Amber	63 µm	35

Data Sheet

COREHOLD P-HA

Holds metallic and non-metallic core during machining

DESCRIPTION

Corehold P-HA is a core holding film designed to hold honeycomb core and other core materials during machining. It is a polyester film coated on one side with a silicone free synthetic rubber adhesive. The film is supplied with a yellow backing release paper on one side. Corehold P-HA provides a very high peel adhesion and is ideal for strong fixation and machining of core when a vacuum table is utilized. It works well on contoured applications and has very high adhesion properties while leaving very little residue.

BENEFITS

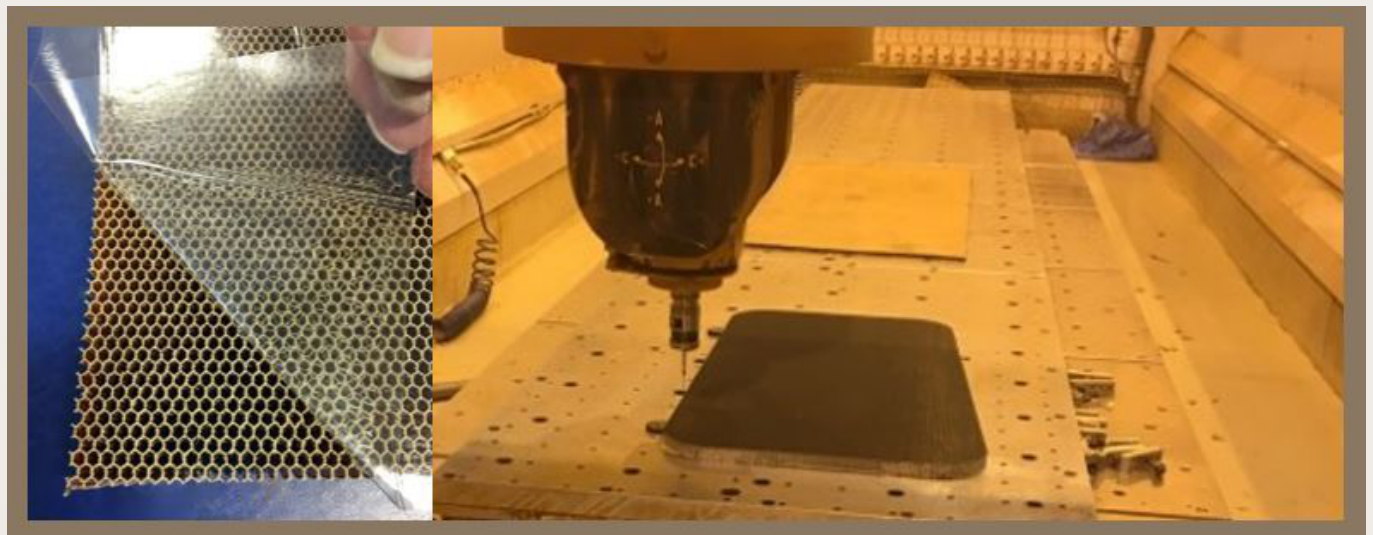
- High temperature and super strong tape can be used for fixing material position during machine processes.
- No movement of cores during machining on vacuum chucks, helps improve part quality and avoid process errors.
- Silicone free rubber based adhesive, making removal and clean up easier after use.

TECHNICAL DATA

Carrier type	Polyester
Adhesive type	Rubber
Colour	Clear
Total thickness	165 µm
Film thickness	35 µm
Adhesive thickness	130 µm
Adhesion 180° peel	55 N/25 mm
Elongation at break	180 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

SIZES

Width	Length	Packaging
150 cm	50 m	1 master roll



NOTES

- Other sizes available upon request.

Last updated : 2019-04-01

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

ECONOTAPE 1

Inexpensive multipurpose tape

DESCRIPTION

EconoTape 1 is an inexpensive, multipurpose, silicone based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials, thermocouples, and other lay-up items. EconoTape 1 can be used for room temperature to 177°C applications.

BENEFITS

- Excellent adhesion and easy removal after cure.
- Resists abrasions when used against rough surfaces.
- Easy conformability to irregular surfaces.

TECHNICAL DATA

Maximum use temperature	177°C
Carrier type	Polyester
Adhesive type	Silicone
Colour	Green
Total thickness	50 µm
Film thickness	25 µm
Adhesive thickness	25 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	60 rolls per case
5.08 cm	66 m	30 rolls per case
up to 50.8 cm	66 m	-

- Broken cases and other widths available on special order.



NOTES

- Product comes on a plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

ECONOTAPE 2

Inexpensive multipurpose tape

DESCRIPTION

EconoTape 2 is a stronger version of EconoTape 1. It is an inexpensive, multipurpose, silicone based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials, thermocouples, and other lay-up items. EconoTape 2 can be used for room temperature to 177°C applications.

BENEFITS

- Excellent adhesion and easy removal after cure.
- Resists abrasions when used against rough surfaces.
- Easy conformability to irregular surfaces.

TECHNICAL DATA

Maximum use temperature	177°C
Carrier type	Polyester
Adhesive type	Silicone
Colour	Green
Total thickness	75 µm
Film thickness	50 µm
Adhesive thickness	25 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	48 rolls per case
5.08 cm	66 m	24 rolls per case
up to 50.8 cm	66 m	-

- Broken cases and other widths available on special order.



NOTES

- Product comes on a plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

ECONOBREAKER 2R

Inexpensive multipurpose tape

DESCRIPTION

Econobreaker 2R is an inexpensive, multipurpose, rubber based adhesive, pressure sensitive tape. This tape can be used for holding down vacuum bagging materials, thermocouples, and other lay-up items. Econobreaker 2R can be used for room temperature to 177°C applications.

BENEFITS

- Excellent adhesion and easy removal after cure.
- Resists abrasions when used against rough surfaces.
- Easy conformability to irregular surfaces.

TECHNICAL DATA

Maximum use temperature	177°C
Carrier type	Polyester
Adhesive type	Rubber
Colour	Clear
Total thickness	100 µm
Film thickness	50 µm
Adhesive thickness	50 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	48 rolls per case
5.08 cm	66 m	24 rolls per case
up to 50.8 cm	66 m	-

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

FLASHBREAKER® 1

All purpose pressure sensitive tape

DESCRIPTION

Flashbreaker® tapes are high temperature/ high tensile strength polyester films coated with a pressure sensitive silicone adhesive for oven or autoclave cures up to 204°C. The orange Flashbreaker® tapes have high visibility when placed on parts and moulds. Flashbreaker® pressure sensitive tapes are used for multi-purpose functions in metal bond and composites, such as holding down vacuum bagging materials, thermocouple wires, masking-off, chem-milling protection or in riveting shops. Flashbreaker® tapes remove easily after cure.

BENEFITS

- Flashbreaker tapes can control bond lines and make removal of resin flash easier, reducing clean up effort.
- Fix position of consumable materials to avoid process errors and improve part quality.
- High visibility orange colour makes removal easier to inspect and reduces risk of leaving tape in place.

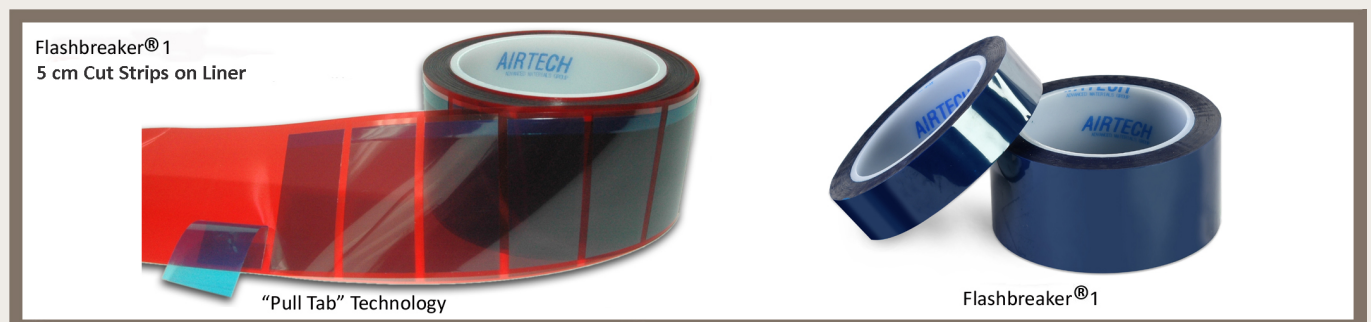
TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Silicone
Colour	Blue / Orange
Total thickness	55 µm
Film thickness	25 µm
Adhesive thickness	30 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	60 rolls per case
5.08 cm	66 m	30 rolls per case
up to 50.8 cm	66 m	-

- Broken cases and other widths available on special order.



NOTES

- Available in 5 cm cut strips using 'Pull Tab' technology.
- Product comes on plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 2

All purpose pressure sensitive tape

DESCRIPTION

Flashbreaker® 2 tape is a stronger version of Flashbreaker® 1. It can be used anywhere extra strength is needed.

Flashbreaker® tapes are high temperature / high tensile strength polyester films coated with a pressure sensitive silicone adhesive for oven or autoclave cures up to 204°C. The orange Flashbreaker® tapes have high visibility when placed on parts and moulds. Flashbreaker® pressure sensitive tapes are used for multi-purpose functions in metal bond and composites, such as holding down vacuum bagging materials, thermocouple wires, masking-off, chem-milling protection. It offers further protection in chem-milling or acid bath etching. Flashbreaker® tapes remove easily after the cure.

BENEFITS

- Flashbreaker® 2 can remove heavier flash build up, reducing difficult clean-up effort.
- Protection over sharp details under vacuum bag, reduces blown bag risk and cost of scrap parts.
- High visibility orange colour makes removal easier to inspect and reduced risk of leaving tape in place.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Silicone
Colour	Blue / Orange
Total thickness	83 µm
Film thickness	50 µm
Adhesive thickness	33 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	48 rolls per case
5.08 cm	66 m	24 rolls per case
up to 50.8 cm	66 m	-

- Broken cases and other widths available on special order.



NOTES

- Also available in Cut Strip form on special order.
- Product comes on plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 5

All purpose pressure sensitive tape

DESCRIPTION

Flashbreaker® 5 tape is used for adhesive flash clean-up over or next to the bondlines or anywhere extra strength is needed. Flashbreaker® tapes are high temperature/ high tensile strength polyester films coated with a pressure sensitive silicone adhesive for oven or autoclave cures up to 204°C. The orange Flashbreaker® tapes have high visibility when placed on parts and moulds. Flashbreaker® pressure sensitive tapes are used for multi-purpose functions in metal bond and composites, such as holding down vacuum bagging materials, thermocouple wires, masking-off, chem-milling protection. It offers further protection in chem-milling or acid bath etching. Flashbreaker® tapes remove easily after the cure. They can also be used to aid in potting inserts, drilling through the Flashbreaker® 5.

BENEFITS

- Seal unused tooling holes to avoid resin fill and risk of blown bags, reducing risk of scrap and rework.
- Heavy duty tape provides extra strength for demanding applications.
- High visibility orange colour makes removal easier to inspect and reduced risk of leaving tape in place.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Silicone
Colour	Blue / Orange
Total thickness	175 µm
Film thickness	125 µm
Adhesive thickness	50 µm
Elongation at break	120 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	48 rolls per case
5.08 cm	33 m	24 rolls per case
up to 50.8 cm	33 m	-

- Broken cases and other widths available on special order.



NOTES

- Also available in Cut Strip form on special order.
- Product comes on plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 1R

All purpose pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Flashbreaker® 1R is our rubber adhesive based polyester pressure sensitive tape. This tape holds down vacuum bagging materials and thermocouple wires on metal or composites parts and tooling. This tape is designed for use in sensitive areas where silicone adhesives are not permitted.

Flashbreaker® R tapes are high temperature / high tensile strength polyester film coated with a pressure sensitive rubber based adhesive for oven or autoclave cures to 204°C.

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Flashbreaker® 1R tapes make removal of resin flash easier, reducing clean-up time.
- Fix position of consumable materials to avoid process errors and improve part quality.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Rubber
Colour	Green
Total thickness	75 µm
Film thickness	25 µm
Adhesive thickness	50 µm
Elongation at break	90 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	36 rolls per case
5.08 cm	66 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- Available in 2.54 cm x 5.08 cm "Cut Strips" on paper liner. 2500 cut strips per roll.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 2R

All purpose pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Flashbreaker® 2R tape is our rubber adhesive based polyester pressure sensitive tape. This tape holds down vacuum bagging materials and thermocouple wires on metal or composites parts and tooling. This tape is designed for use in sensitive areas where silicone adhesives are not permitted. Flashbreaker® 2R is used in more extreme environments where extra strength is needed.

Flashbreaker® R tapes are high temperature / high tensile strength polyester film coated with a pressure sensitive rubber based adhesive for oven or autoclave cures to 204°C.

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Flashbreaker® 2R can remove heavier flash build up, reducing difficult clean-up effort.
- Protection over sharp details under vacuum bag, reduces blown bag risk and cost of scrap parts.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Rubber
Colour	Green
Total thickness	100 µm
Film thickness	50 µm
Adhesive thickness	50 µm
Elongation at break	110 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	36 rolls per case
5.08 cm	66 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 5R

Strongest pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Flashbreaker® 5R tape is our strongest rubber adhesive based polyester pressure sensitive tape. This tape holds down vacuum bagging materials and thermocouple wires on metal or composite parts and tooling. This tape is designed for use in sensitive areas where silicone adhesives are not permitted. Flashbreaker® 5R is used in more extreme environments where extra strength is needed.

Flashbreaker® R tapes are high temperature / high tensile strength polyester film coated with a pressure sensitive rubber based adhesive for oven or autoclave cures to 204°C.

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Seal unused tooling holes to avoid resin fill and risk of blown bags, reducing risk of scrap and rework.
- Heavy duty tape provides extra strength for demanding applications.

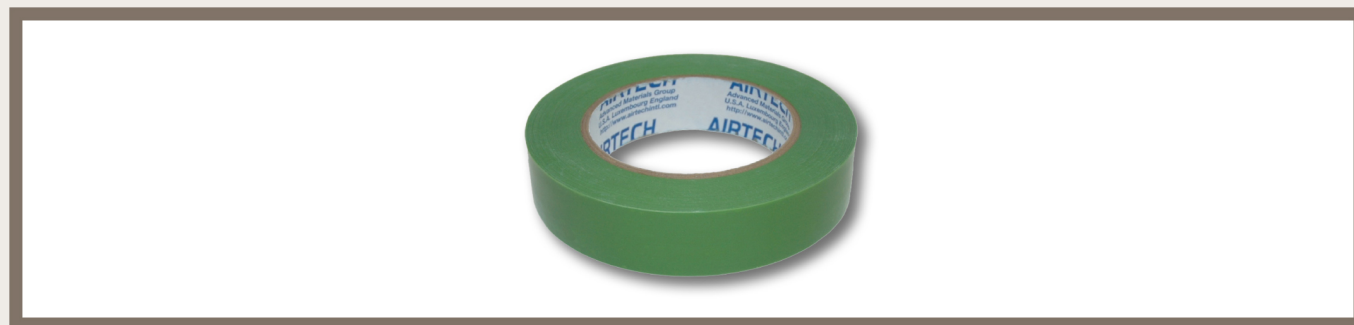
TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Rubber
Colour	Green
Total thickness	175 µm
Film thickness	125 µm
Adhesive thickness	50 µm
Elongation at break	150 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	36 rolls per case
5.08 cm	33 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 1 (HT)

High tack pressure sensitive tape

DESCRIPTION

Flashbreaker® 1 (HT) tape is used for heavy duty hold down applications where a high level of adhesion is required.

Flashbreaker® (HT) tapes are a high temperature polyester film coated with a high tack silicone adhesive for oven or autoclave to 204°C. These are ideal for holding down heavier non-woven breather materials.

BENEFITS

- Higher tack adhesive holds difficult materials in place more securely, easier, and quicker.
- Flashbreaker® 1 (HT) tapes make removal of resin flash easier, reducing cleaning time.
- Fix position of consumable materials to avoid process errors and improve part quality.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	High tack silicone
Colour	Yellow
Total thickness	90 µm
Film thickness	25 µm
Adhesive thickness	65 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	48 rolls per case
5.08 cm	66 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

FLASHBREAKER® 2 (HT)

High tack pressure sensitive tape

DESCRIPTION

Flashbreaker® 2 (HT) tape is used for heavy duty hold down applications where a high level of adhesion is required.

Flashbreaker® (HT) tapes are a high temperature polyester film coated with a high tack silicone adhesive for oven or autoclave to 204°C. They are ideal for holding down heavier non-woven breather materials.

BENEFITS

- Higher tack adhesive holds difficult materials in place easily, faster and more securely.
- Flashbreaker® 2 (HT) can remove heavier flash build up, reducing difficult clean up effort.
- Protection over sharp details under vacuum bag, reduces bag burst risk and cost of scrap parts.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	High tack silicone
Colour	Yellow
Total thickness	106 µm
Film thickness	50 µm
Adhesive thickness	56 µm
Elongation at break	90 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	36 rolls per case
5.08 cm	66 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-25

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 2R (HT)

High tack pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Flashbreaker® 2R (HT) is a polyester pressure sensitive tape coated with a high tack, non-silicone adhesive. This tape holds down vacuum bagging materials and thermocouple wires on metal or composite parts and tooling. Flashbreaker® 2R (HT) is a superior tape for holding down non-woven breather materials.

Flashbreaker® 2R (HT) has high temperature capabilities, making it a good choice for oven or autoclave cures to 204°C.

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Higher tack rubber adhesive holds materials in place quicker, better, and faster.
- Flashbreaker® 2R (HT) can remove heavier flash build up, reducing difficult clean-up effort.

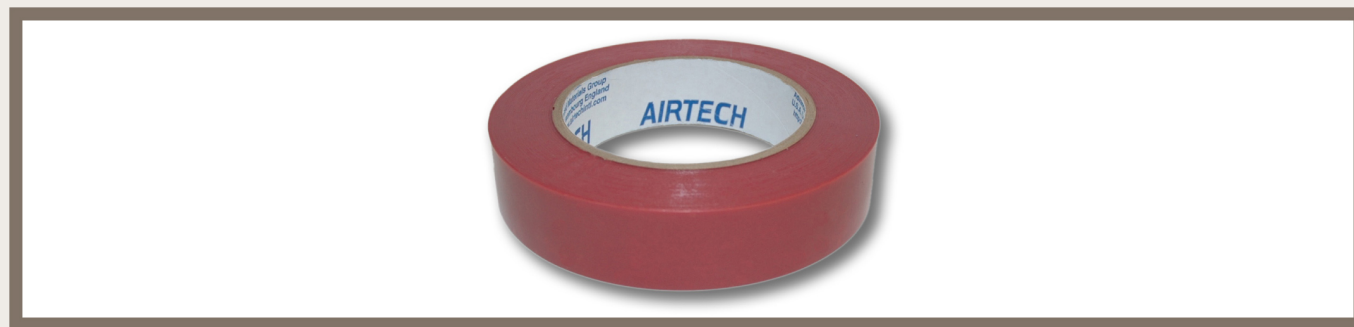
TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	High tack rubber
Colour	Red
Total thickness	93 µm
Film thickness	50 µm
Adhesive thickness	43 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	36 rolls per case
5.08 cm	66 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- Available with removable liner.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-08-12

Catalogue position : Pressure sensitive tapes

Data Sheet

FLASHBREAKER® 2CBS

All purpose double sided pressure sensitive tape

DESCRIPTION

Flashbreaker® 2CBS tapes are high temperature/ high tensile polyester films coated on both sides with pressure sensitive silicone adhesive. Suitable for autoclave and oven applications up to 204°C. It has been developed for securing secondary tooling, peel plies, release film, breather fabric and vacuum bagging films during high temperature and general workshop applications.

BENEFITS

- Double sided Flashbreaker® 2CBS offers new applications without new material qualification effort.
- Fix position of consumable materials to avoid process errors and improve part quality.
- Hold layered materials in place at high temperature with easy removal and clean-up after use.

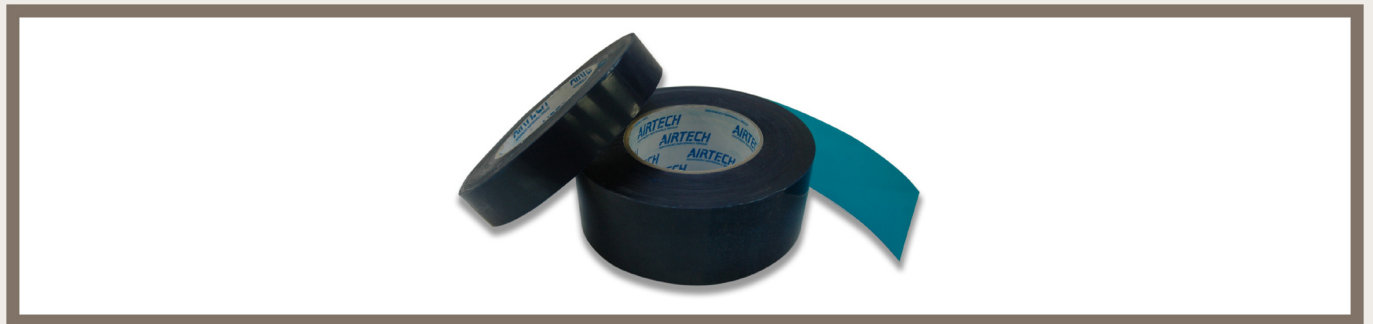
TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Silicone
Colour	Blue
Total thickness	120 µm
Film thickness	50 µm
Combined adhesive thickness	70 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	36 rolls per case
5.08 cm	66 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-26

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

AIRHOLD 1 CBS

High temperature double-backed holding tape

DESCRIPTION

Airhold 1 CBS is an all-purpose, high temperature double-backed holding tape. It is 13 µm polyester film coated on both sides with a non-silicone adhesive. Airhold 1 CBS is designed to hold release plies, release films and breathers in place during lay up and vacuum bagging machining operations. It leaves very little residue which can be removed with common shop solvents. Airhold 1 CBS can also be used to replace aerosol contact adhesives and works well on inclined tool surfaces.

BENEFITS

- High temperature tape can be used for fixing materials position during lay-up and curing process.
- Fix position of consumable materials to avoid process errors and improve part quality.
- Hold layered materials in place at high temperature with easy removal and clean-up after use.

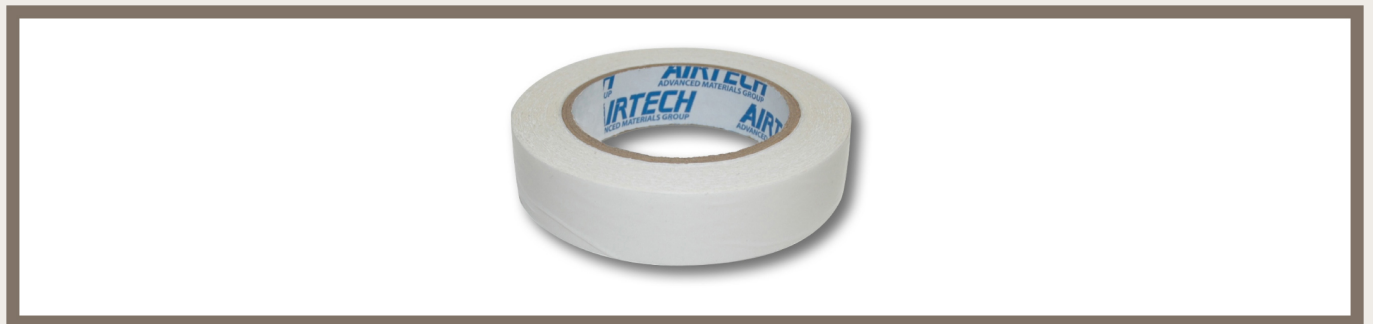
TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Polyester
Adhesive type	Acrylic
Colour	Clear
Total thickness	89 µm
Film thickness	13 µm
Combined adhesive thickness	76 µm
Elongation at break	<50 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	48 rolls per case
5.08 cm	33 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-26

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

AIRHOLD 10 CBS

Double-backed tape for holding honeycomb core during machining

DESCRIPTION

Airhold 10 CBS is a double-sided fabric reinforced tape with a rubber based adhesive on both sides. It is designed specifically for holding honeycomb cores during machining while allowing the core to be removed without residue. The thick adhesive coating ensures that the core is held firmly in position. Airhold 10 CBS is suitable for use with metallic and non-metallic core. It can also be used to hold down plastic spiral wrap used as a vacuum manifold in the resin infusion process.

BENEFITS

- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Heavy duty tape provides strong hold for difficult items such as infusion spiral manifolds.
- Fix position of materials to avoid process errors and improve part quality.

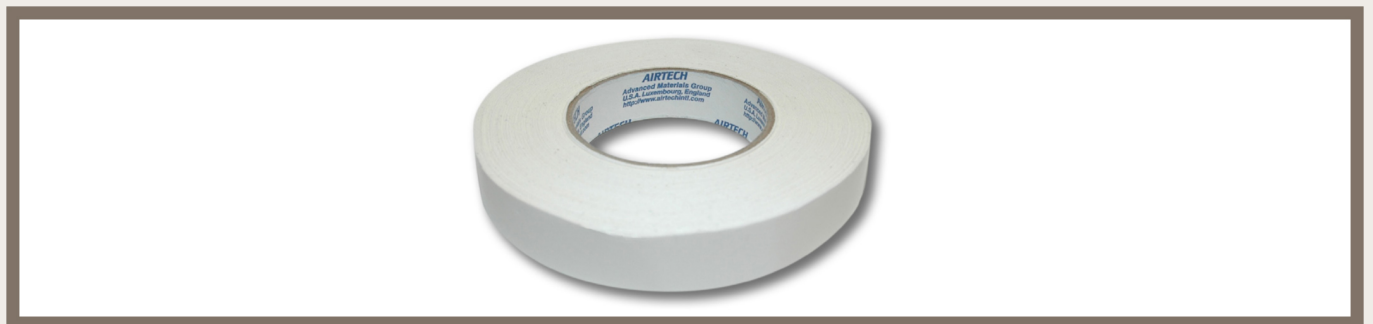
TECHNICAL DATA

Maximum use temperature	60°C
Carrier type	Cloth
Adhesive type	Rubber
Colour	White
Total thickness	280 µm
Film thickness	100 µm
Combined adhesive thickness	180 µm
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	48 rolls per case
5.08 cm	33 m	24 rolls per case
up to 48.3 cm	33 m	-

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-26

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TEFLEASE MG2

High temperature PTFE pressure sensitive tape

DESCRIPTION

Teflease MG2 is a PTFE film coated with a silicone adhesive. Teflease MG tapes will release from most resin systems. They are ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG tapes will form to critical contours and mould surfaces while offering multiple releases or may be used to cover multiple detail mould seams. They provide a semi-permanent release on cured Airpad tooling rubber and Aircast 3700 pressure intensifiers and mandrels.

BENEFITS

- Provides semi-permanent release and superior surface finish, saving time and improving quality.
- Protect rubber tooling mandrels and intensifiers from resin attack, extending tool life and reducing cost.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE
Adhesive type	Silicone
Colour	Light brown
Total thickness	88 µm
Film thickness	50 µm
Adhesive thickness	38 µm
Elongation at break	125 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	60 rolls per case
5.08 cm	33 m	30 rolls per case

- Broken cases and other widths available on special order.
- Other thickness available:
MG3 - 115 µm total thickness
MG5 - 165 µm total thickness



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TEFLEASE MG2A

High temperature PTFE pressure sensitive tape with acrylic adhesive

DESCRIPTION

Teflease MG2A is a PTFE film coated with an acrylic adhesive. Teflease MG2A tape will release from most resin systems. It is ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG2A tape will form to critical contours and mould surfaces while offering multiple releases.

BENEFITS

- Provides semi-permanent release and a superior surface finish, saving time and improving quality.
- Acrylic adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	PTFE
Adhesive type	Acrylic
Colour	Light brown
Total thickness	80 µm
Film thickness	50 µm
Adhesive thickness	30 µm
Elongation at break	125 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	60 rolls per case
5.08 cm	33 m	30 rolls per case

- Broken cases and other widths available on special order.
- Other thickness available:
MG5A - 165 µm total thickness



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TEFLEASE MG2R

High temperature PTFE pressure sensitive tape with rubber adhesive

DESCRIPTION

Teflease MG2R is a PTFE film coated with a rubber adhesive. Teflease MG2R tape will release from most resin systems. It is ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG2R tape will form to critical contours and mould surfaces while offering multiple releases.

BENEFITS

- Provides semi-permanent release and a superior surface finish, saving time and improving quality.
- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	PTFE
Adhesive type	Rubber
Colour	Light brown
Total thickness	88 µm
Film thickness	50 µm
Adhesive thickness	38 µm
Elongation at break	125 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	36 rolls per case
5.08 cm	33 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TEFLEASE MG2E YELLOW

High temperature PTFE pressure sensitive tape

DESCRIPTION

Teflease MG2 Yellow is an extruded, PTFE film coated with a silicone adhesive. It has superior tensile strength, elongation and abrasion resistance.

Teflease MG tapes will release from most resin systems. They are ideal for use on tooling blocks and all areas where high elongation and release is needed. Teflease MG tapes will form to critical contours and mould surfaces while offering multiple releases. They provide a semi-permanent release on cured Airpad tooling rubber and Aircast 3700 pressure intensifiers and mandrels.

BENEFITS

- High visibility colour makes removal easier to inspect and reduces risk of leaving tape in place.
- Extruded PTFE has smoother finish for better quality parts, and superior strength for longer life.
- Provides semi-permanent release and a superior surface finish, saving time and improving quality.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	Extruded PTFE
Adhesive type	Silicone
Colour	Yellow
Total thickness	88 µm
Film thickness	50 µm
Adhesive thickness	38 µm
Elongation at break	175 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	36 rolls per case
5.08 cm	33 m	18 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : Pressure sensitive tapes

Data Sheet

TEFLEASE MG2 ORANGE

High temperature PTFE pressure sensitive tape

DESCRIPTION

Teflease MG2 Orange is a high tensile strength PTFE pressure sensitive tape with high temperature silicone adhesive. The high tensile strength provides increased wear properties when compared to standard PTFE tapes. Teflease MG2 Orange provides high visibility on most substrates.

Teflease MG tapes will release from most resin systems. They provide a semi-permanent release on cured Airpad tooling rubber and Aircast 3700 pressure intensifiers and mandrels.

BENEFITS

- High visibility colour makes removal easier to inspect and reduces risk of leaving tape in place.
- Provides semi-permanent release and a superior surface finish, saving time and improving quality.
- High tensile PTFE has superior strength for longer life, reducing cost of replacing worn tape.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE
Adhesive type	Silicone
Colour	Orange
Total thickness	102 µm
Film thickness	64 µm
Adhesive thickness	38 µm
Elongation at break	100 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	48 rolls per case
5.08 cm	33 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

WRIGHTLEASE

Extruded fluoropolymer pressure sensitive tape

DESCRIPTION

Wrightlease is an extruded fluoropolymer film coated with silicone pressure sensitive adhesive. The orange colour is highly visible on most substrates in addition to offering high elongation and tensile strength.

BENEFITS

- Provides excellent release from all common resin systems for multiple releases.
- Good adhesion to metal, composite, tooling block and rubber tooling.
- High elongation allows for easier covering of complex contour surfaces.

TECHNICAL DATA

Technical Data	Wrightlease 2	Wrightlease 4
Maximum use temperature	260°C	260°C
Carrier type	Extruded fluoropolymer	Extruded fluoropolymer
Adhesive type	Silicone	Silicone
Colour	Orange	Orange
Total thickness	88 µm	138 µm
Film thickness	50 µm	100 µm
Adhesive thickness	38 µm	38 µm
Elongation at break	350 %	350 %

SHELF LIFE

18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	48 rolls per case
5.08 cm	33 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- For requirements wider than 10.16 cm, it is recommended to use Toolwright 3 product which has a release liner so it can be easily unwound from the roll without distortion.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

WRIGHTLEASE 2R

Extruded fluoropolymer pressure sensitive tape

DESCRIPTION

Wrightlease 2R is an extruded fluoropolymer film coated with rubber-based pressure sensitive adhesive. The light brown colour is visible on most substrates in addition to offering high elongation and tensile strength.

BENEFITS

- Provides excellent release from all common resin systems for multiple releases.
- Good adhesion to metal, composite, tooling block and rubber tooling.
- High elongation allows for easier covering of complex contour surfaces.
- Non-silicone adhesive for sensitive applications.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Extruded fluoropolymer
Adhesive type	Rubber (Light green)
Colour	Light brown
Total thickness	88 µm
Film thickness	50 µm
Adhesive thickness	38 µm
Elongation at break	300 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	48 rolls per case
5.08 cm	33 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : Pressure sensitive tapes

Data Sheet

TOOLWRIGHT 3

Fluoropolymer release film with adhesive coating

DESCRIPTION

Toolwright 3 is an extruded fluoropolymer film coated with silicone pressure sensitive adhesive. Toolwright 3 has a thinner film than Toolwright 5 version and can be more easily applied over complex contour surfaces. Toolwright 3 has high elongation, good tear strength, high temperature resistance and excellent clean up after removal.

BENEFITS

- Extend the life of worn tools avoiding cost of new tools.
- Tougher film is more tear resistant, easier and faster to apply.
- Improved part surface quality.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	Extruded fluoropolymer
Adhesive type	Silicone
Colour	Light orange
Total thickness	75 µm
Film thickness	50 µm
Adhesive thickness	25 µm
Elongation at break	350 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZE

Width	Length
127 cm	16.5 m

- Other widths available, please contact Tygavac for more information.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.
- Watch a demo video of Toolwright 3 & 5 in the "Media Center" on our website.

Data Sheet

TOOLWRIGHT 5

Extruded fluoropolymer pressure sensitive film for semi-permanent mould release applications

DESCRIPTION

Toolwright 5 is an extruded fluoropolymer film coated with silicone pressure sensitive adhesive. The orange colour is highly visible on most substrates in addition to offering high elongation and tensile strength.

BENEFITS

- Provides excellent release from all common resin systems for multiple releases.
- Good adhesion to metal, composite, tooling block and rubber tooling.
- High elongation allows for easier covering of complex contour surfaces.
- Tougher film is more tear resistant and so it's easier to stretch over complex shapes without damage.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	Extruded fluoropolymer
Adhesive type	Silicone
Colour	Light orange
Total thickness	125 µm
Film thickness	100 µm
Adhesive thickness	25 µm
Elongation at break	350 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZE

Width	Length
117 cm	16.5 m

- Other widths available, please contact Tygavac for more information.



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.
- Watch a demo video of Toolwright 3 & 5 in the "Media Center" on our website.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TFG 075 AH

PTFE coated glass fabric with pressure sensitive adhesive

■ DESCRIPTION

TFG 075 AH is a premium quality PTFE coated glass fabric tape with medium gloss coating suitable for most standard moulding applications.

TFG S 075 AH is a general purpose PTFE coated glass fabric tape with medium gloss coating suitable for consideration when cost is a prime factor.

TFG 075/1 AH is a super smooth, premium quality PTFE coated glass fabric tape with high gloss coating suitable for moulding applications where a high quality of surface finish is required.

■ BENEFITS

- Can be used on the tool face to give a permanent release surface eliminating the need to apply release agents.
- Low coefficient of friction allows resin to flow easily against the surface.
- Mould tools with imperfections/ pinholes can be covered to produce a suitable tooling surface.

■ TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE Coated Glass Fabric
Adhesive type	Silicone
Colour	Brown
Total thickness	125 µm
Fabric thickness	75 µm
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

■ SIZES

- Widths are available from 10mm to 1000mm, contact Tygavac for more information.

■ NOTES

- Colour may vary slightly, however this does not indicate any variation in performance.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Data Sheet

TFG 125 AH

PTFE coated glass fabric with pressure sensitive adhesive

■ DESCRIPTION

TFG 125 AH is a premium quality PTFE coated glass fabric tape with medium gloss coating suitable for most standard moulding applications.

TFG S 125 AH is a general purpose PTFE coated glass fabric tape with medium gloss coating suitable for consideration when cost is a prime factor.

TFG 125/1 AH is a super smooth, premium quality PTFE coated glass fabric tape with high gloss coating suitable for moulding applications where a high quality of surface finish is required.

TFG 125/3 AH is an anti-static quality PTFE coated glass tape with medium gloss coating and will dissipate static electricity.

■ BENEFITS

- Can be used on the tool face to give a permanent release surface eliminating the need to apply release agents.
- Low coefficient of friction allows resin to flow easily against the surface.
- Mould tools with imperfections/ pinholes can be covered to produce a suitable tooling surface.

■ TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE Coated Glass Fabric
Adhesive type	Silicone
Colour	Brown
Total thickness	175 µm
Fabric thickness	125 µm
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

■ SIZES

- Widths are available from 10mm to 1000mm, contact Tygavac for more information.

■ NOTES

- Colour may vary slightly, however this does not indicate any variation in performance.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Data Sheet

TFG 250 AH

PTFE coated glass fabric with pressure sensitive adhesive

■ DESCRIPTION

TFG 250 AH is a premium quality PTFE coated glass fabric tape with medium gloss coating suitable for most standard moulding applications.

TFG S 250 AH is a general purpose PTFE coated glass fabric tape with medium gloss coating suitable for consideration when cost is a prime factor.

TFG 250/1 AH is a super smooth, premium quality PTFE coated glass fabric tape with high gloss coating suitable for moulding applications where a high quality of surface finish is required.

TFG 250/3 AH is an anti-static quality PTFE coated glass tape with medium gloss coating and will dissipate static electricity.

■ BENEFITS

- Can be used on the tool face to give a permanent release surface eliminating the need to apply release agents.
- Low coefficient of friction allows resin to flow easily against the surface.
- Mould tools with imperfections/ pinholes can be covered to produce a suitable tooling surface.

■ TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE Coated Glass Fabric
Adhesive type	Silicone
Colour	Brown
Total thickness	300 µm
Fabric thickness	250 µm
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

■ SIZES

- Widths are available from 10 mm to 1000 mm, contact Tygavac for more information.

■ NOTES

- Colour may vary slightly, however this does not indicate any variation in performance.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Data Sheet

TOOLTEC® A005

Reinforced PTFE coated fibreglass with silicone adhesive

■ DESCRIPTION

Tooltec® A005 pressure sensitive tape is designed to adhere to tool surfaces providing semi-permanent release and a reconditioned surface. It can be used on all types of moulds, press platens, caul sheets or any surface that comes in contact with resins or adhesives. Release agents are not required on the mould surface thereby reducing cost and parts contamination. Tooltec® A005 is a reinforced mould surface reconditioning tape providing a semi-permanent release for flat tools. This product comes standard with a silicone pressure adhesive, but can also be supplied with an acrylic adhesive by special order.

■ BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Tools can be used to recondition worn or damaged tools for extended service, avoiding cost of remanufacture.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.

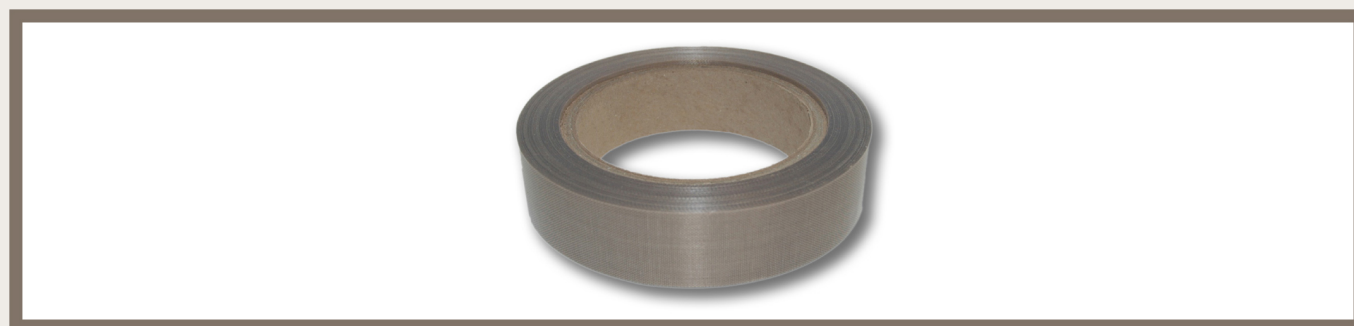
■ TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE/ Glass
Adhesive type	Silicone
Colour	Light brown
Total thickness	125 µm
Film thickness	75 µm
Adhesive thickness	50 µm
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

■ COMMONLY USED SIZES

Width	Length
2.54 cm	33 m
5.08 cm	33 m
91 cm	16.5 m
122 cm	16.5 m

- Other sizes available on special order.



■ NOTES

- Tooltec® A005 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mould surface. The remainder of backing should then be carefully removed while pressing the Tooltec® A005 onto the mould surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TOOLTEC® A012

Reinforced PTFE coated fibreglass with silicone adhesive

DESCRIPTION

Tooltec® A012 pressure sensitive tape is designed to adhere to tool surfaces providing semi-permanent release and a reconditioned surface. It can be used on all types of moulds, press platens, caul sheets or any surface that comes in contact with resins or adhesives. Release agents are not required on the mould surface thereby reducing cost and parts contamination. This product comes standard with a silicone pressure adhesive, but can also be supplied with an acrylic adhesive by special order.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Can be used to recondition worn or damaged tools for extended service, avoiding cost of remanufacture.
- Tooltec® A012 is a thicker more hard wearing version for longer life in more demanding applications.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE/ Glass
Adhesive type	Silicone
Colour	Light brown
Total thickness	304 µm
Film thickness	254 µm
Adhesive thickness	50 µm
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZE

Width	Length
91 cm	16.5 m

- Other sizes available on special order.



NOTES

- Tooltec® A012 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mould surface. The remainder of backing should then be carefully removed while pressing the Tooltec® A012 onto the mould surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TOOLTEC® A007

Reinforced PTFE coated fibreglass with silicone adhesive

DESCRIPTION

Tooltec® A007 pressure sensitive tape is designed to adhere to tool surfaces providing semi-permanent release and a reconditioned surface. It can be used on all types of moulds, press platens, caul sheets or any surface that comes in contact with resins or adhesives. Release agents are not required on the mould surface thereby reducing cost and parts contamination. Tooltec® A007 is a reinforced mould surface reconditioning tape providing a semi-permanent release for flat tools. This product comes standard with a silicone pressure adhesive, but can also be supplied with an acrylic adhesive by special order.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Tools can be used to recondition worn or damaged tools for extended service, avoiding cost of remanufacture.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE/ Glass
Adhesive type	Silicone
Colour	Light brown
Total thickness	175 µm
Film thickness	125 µm
Adhesive thickness	50 µm
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length
2.54 cm	33 m
91 cm	16.5 m
122 cm	16.5 m

- Other sizes available on special order.



NOTES

- Tooltec® A007 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mould surface. The remainder of backing should then be carefully removed while pressing the Tooltec® A007 onto the mould surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TOOLTEC® CS5

High elongation PTFE film coated with silicone adhesive

DESCRIPTION

Tooltec® CS5 is a PTFE film coated with a high temperature silicone pressure sensitive adhesive. It can be used to seal masters and leaky tool surfaces while providing semi-permanent and contamination free part release. Tooltec® CS5 is a non-reinforced mould surface reconditioning tape allowing conformance to complex contours and providing a semi-permanent release for contoured shapes.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Good elongation, so complex tools can be reconditioned and master models finished for moulding.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.

TECHNICAL DATA

Maximum use temperature	260°C
Carrier type	PTFE
Adhesive type	Silicone
Colour	Light brown
Total thickness	165 µm
Film thickness	127 µm
Adhesive thickness	38 µm
Elongation at break	300 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length
91 cm	16.5 m
122 cm	16.5 m

- Other sizes available on special order.



NOTES

- Tooltec® CS5 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mould surface. The remainder of backing should then be carefully removed while pressing the Tooltec® CS5 onto the mould surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

TOOLTEC® CA5

High elongation PTFE film coated with acrylic adhesive

DESCRIPTION

Tooltec® CA5 is a PTFE film coated with a high temperature non silicone pressure sensitive adhesive. It is a non-reinforced tape allowing conformance to complex contours. Tooltec® CA5 can be used to seal masters and leaky tool surfaces while providing semi-permanent and contamination free part release.

BENEFITS

- Provides semi-permanent release saving time spent cleaning tooling and reapplying release agents.
- Improve tool surface finish and aid resin flow for better part surface finish and reduced hand finishing.
- Acrylic adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.

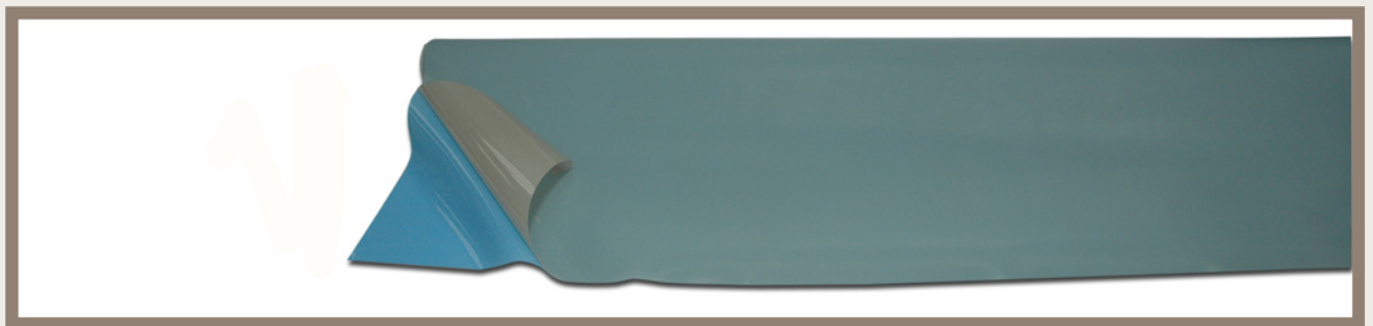
TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	PTFE
Adhesive type	Acrylic
Colour	Light brown
Total thickness	163 µm
Film thickness	125 µm
Adhesive thickness	38 µm
Elongation at break	300 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZE

Width	Length
91 cm	16.5 m

- Other sizes available on special order.



NOTES

- Tooltec® CA5 should be applied by carefully lifting the edge of the backing, then applying the adhesive side to the mould surface. The remainder of backing should then be carefully removed while pressing the Tooltec® CA5 onto the mould surface with an Airsweep or other straight edge. A vacuum bag can then be applied to remove any residual air. A cure cycle under vacuum will provide the best results.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-10-07

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

WRIGHTCAST 8500 PS

High temperature nylon pressure sensitive tape with a non-silicone adhesive

DESCRIPTION

Wrightcast 8500 PS tape is a heat stabilized nylon film coated with a high temperature rubber based adhesive. It is a multi-purpose tape with high elongation and is ideal for complex mould shapes. The superior high temperature properties of nylon make this tape suitable for holding down processing materials during extended high temperature cure cycles.

BENEFITS

- High temperature nylon retains strength after longer cures and can be removed easily.
- Rubber adhesive tape can be used where silicone adhesives are prohibited to reduce contamination risk.
- Good elongation makes application to complex shapes easier, reducing time and improving quality.

TECHNICAL DATA

Maximum use temperature	204°C
Carrier type	Nylon
Adhesive type	Rubber
Colour	Yellow
Total thickness	81 µm
Film thickness	51 µm
Adhesive thickness	30 µm
Elongation at break	350 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	66 m	48 rolls per case
5.08 cm	66 m	24 rolls per case

- Broken cases and other widths available on special order.



NOTES

- Available in 2.54 cm x 5.08 cm "Cut Strips" on a paper liner. 2500 cut strips per roll.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-26

Catalogue position : [Pressure sensitive tapes](#)

Data Sheet

AIRKAP 1

Polyimide high temperature pressure sensitive tape

DESCRIPTION

Airkap 1 is a fully cured polyimide pressure sensitive tape used for high temperature lay-ups up to 399°C. Airkap 1 has a silicone adhesive coating to assist in holding down peel plies, breathers, vacuum bag pleats, thermocouples, etc. on high temperature cures, in an oven or autoclave. Airkap 1 will hold down the exposed edges of Thermalimide bagging film in order to insulate A800-3G high temperature sealant tape.

BENEFITS

- Fix position of consumable materials to avoid process errors and improve part quality.
- Protect sharp details under vacuum bag, reduces bag burst risk and cost of scrap parts.
- Hold down Thermalimide bag edges to reduce strain on sealant tapes and reduce bag burst risk.

TECHNICAL DATA

Maximum use temperature	399°C
Carrier type	Polyimide
Adhesive type	Silicone
Colour	Amber
Total thickness	63 µm
Film thickness	25 µm
Adhesive thickness	38 µm
Elongation at break	50 %
Shelf life	18 months from date of shipment when stored in original packaging at 22°C

COMMONLY USED SIZES

Width	Length	Packaging
2.54 cm	33 m	72 rolls per case
5.08 cm	33 m	36 rolls per case

- Broken cases and other widths available on special order.



NOTES

- Please note that although the polyimide substrate will take 399°C, the silicone adhesive may break down at lower temperatures. Experience has shown that this does not affect the hold down/positioning abilities once under the vacuum bag.
- Product comes on plastic core, helping to reduce FOD in a clean room environment.
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Tygavac recommends testing prior to use.

Last updated : 2019-03-26

Catalogue position : [Pressure sensitive tapes](#)