

Applications of 3M™ Marine Preferred Masking Tapes




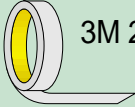
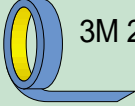

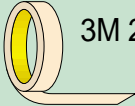
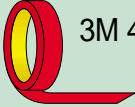

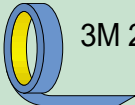
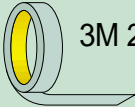

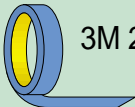

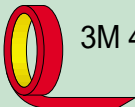
Use this chart to select the right masking tape for the right application

Product Ref.	2328	218	471	225	256	2090
Application						
Critical Paint Masking (above waterline hull and top side/deck painting)						
Bottom Painting						
Paint Striping/ Color Separation (boot, cove, shear or waterline stripe painting)						
Brightwork Finishing and Coating (varnish, stain and sealing)						
Outdoor Masking (bundling and protecting over 24 hours)			 Up to 1 Mo.	 Up to 1 Mo.	 Up to 5 Days	 Up to 7 Days

** Not recommended for use with lacquers or on lacquered surfaces.



Paint Striping Tapes

<h2>Problems</h2>	<h2>Solutions</h2> <h3>Using 3M Products</h3>
	<p>To allow easy, one-piece removability use :</p> <ul style="list-style-type: none">  3M 2328 for general masking  3M 2090 for critical paint masking
	<p>To mask parts requiring conformability use :</p> <ul style="list-style-type: none">  3M 218 for curved areas masking  3M 471 for detailed stripe painting
	<p>To provide sharp paint edge use :</p> <ul style="list-style-type: none">  3M 2090 for bottom painting  3M 256 for straight paint lines
	<p>To avoid adhesive transfer after a few days use :</p> <ul style="list-style-type: none">  3M 2090 for clean removal up to 7 days
	<p>To hold power without lifting use :</p> <ul style="list-style-type: none">  3M 471 for masking up to 30 days

Masking Tapes

3M™ 2328 Masking Tape

The 2328 is a general masking tape with a crepe paper backing. It is used in all paint applications but the tape should not be left more than 1 or 2 days to avoid adhesive transfer. Its thickness and conformability provide sharp paint edge. The 2328 is solvent resistant and can be exposed to 80°C for 1 hour and as a paint striping masking tape, providing sharp paint lines.



Product Ref.	Size	Rolls Per Case
2328	15mm x 50m.	60
2328	19mm x 50m	48
2328	25mm x 50m	36
2328	38mm x 50m	24
2328	50mm x 50m	24
2328	75mm x 50m	16
2328	100mm x 50m	12



3M™ 2214 Paper Masking Tape

This is a general purpose tape for holding, bundling, sealing, non-critical, masking and a vast number of other jobs where a pressure-sensitive tape is needed.



Product Ref.	Size	Rolls Per Case
2214	19mm x 50m	48
2214	25mm x 50m	36
2214	30mm x 50m	32
2214	38mm x 50m	24
2214	50mm x 50m	24
2214	75mm x 50m	12

Scotch® 249 Mould Release Masking Tape

A high-performance masking tape specifically designed for applications where the substrate to be masked has extremely low surface energy. A primary application is masking fiberglass moulds prior to production.



Product Ref.	Size	Rolls Per Case
249	19 x 55m.	32
249	25x 55m.	24
249	50 x 55m	12

Weather Resistant Masking Tapes

Scotch® 2090 Long-Mask™ Masking Tape

Scotch® 2090 Long-Mask Masking Tape utilizes a synthetic adhesive system which provides ultraviolet (U.V.) stability and adhesive transfer resistance up to seven days after application. Controlled crepe paper backing makes tape conformable and smooth for use in various paint, varnish masking applications. Bright blue colour makes this tape easily identifiable.



Product Ref.	Roll Size	Rolls Per Case
2090	19mm x 50m	48
2090	25mm x 50m	36
2090	38mm x 50m	24
2090	50mm x 50m	24

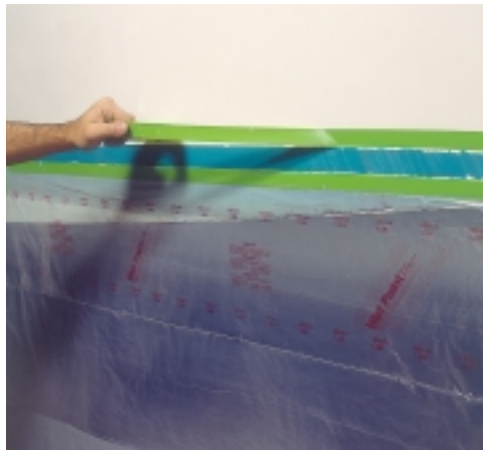


3M™ ScotchMark™ 256 Green Masking Tape

A treated, flatback tape with good adhesive characteristics and a surface color-coating of light green. Has a smooth, sharp edge and doesn't lose its shape when applied over a long, continuous horizontal surface such as masking for painting of a boats boot stripe. Has time limits when exposed to ultraviolet.



Product Ref.	Size	Rolls Per Case
256	19mm x 55m	48
256	25mm x 55m	36



Scotch® 225 Silver Weather Resistant Masking Tape

The silver colored coating on the backing of this crepe paper tape reflects ultraviolet (U.V.) light to provide weather resistance for up to a month's time. Prevents slivering and adhesive transfer during unmasking.

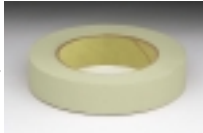


Product Ref.	Roll Size	Rolls Per Case
225	25mm x 55m	36

Paint Striping Tapes

Scotch® 218 Fine Line Tape

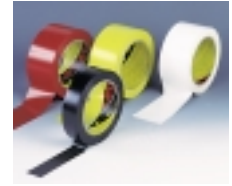
This specially extruded matt finish green polypropylene tape provides the finest colour line separation available because of its thinness. Stretches easily for smooth curves — yet tears easily by hand. Excellent solvent and moisture resistance. Allows taping over freshly cured lacquer, enamel and urethane paint systems sooner with less chance of imprint damage. Not for extended outdoor use.



Product Ref.	Size	Rolls Per Case
218	1,6mm x 55m	12
218	2,4mm x 55m	12
218	3,2mm x 55m	12
218	4,7mm x 55m	12
218	6,3mm x 55m	12
218	9,5mm x 55m	12
218	12,7mm x 55m	12 or 72
218	19,1mm x 55m	12 or 48
218	25,4mm x 55m	36

Scotch® 471 Plastic Tape

A blue vinyl plastic tape that is highly conformable and is excellent for masking off areas for detailed boat and boot stripe painting. Also excellent for masking over rivets nr aluminum boats. Available in blue, red, green, black, white & yellow.



Product Ref.	Size	Rolls Per Case
471	6mm x 33m	36
471	9mm x 33m	12
471	12mm x 33m	12
471	19mm x 33m	12
471	25mm x 33m	12
471	38mm x 33m	12
471	50mm x 33m	12

3M™ 764 Vinyl tape

This general purpose tape is ideal for colour identification, or for general reparation on plastic surfaces. Can also be used for cover attachment during storage or transport. Rubber adhesive. Available in several colours : black, blue, grey, green, orange, purple, red, white and yellow.



Product Ref.	Size	Rolls Per Case
764	25mmx33m	36
764	50mmx33m	24
764	75mmx33m*	12

*only available in white & yellow

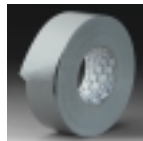


Duct and Cloth Tapes

3M™ 2902 Marine Cloth Tape

2902 is a coloured cloth tape to be used for water proofing, temporary repair, duct sealing, protecting and general purpose applications in the marine market.

Available in : silver, black, yellow and white.



Product Ref.	Size	Rolls Per Case
2902	50mm x 25m	48
2902	50mm x 50m	24

3M™ 3903 Vinyl Duct Tape

A general purpose vinyl duct tape designed for non-critical applications such as sealing, bundling, holding and various miscellaneous applications. Available in : gray, blue, green, white, black and red.



Product Ref.	Size	Rolls Per Case
3903	50mm x 46m	24

3M™ 389 High Performance Cloth Tape

The 389 tape is a high tack adhesive designed for all general purpose applications in the marine industry that requires a conformable high performance tape. With a very good resistance to the marine environment this tape can be used for protecting, maintaining, attaching cables, plastics and many other substrates. Thickness : 0,26 mm. Adhesion on steel : 900 cN/cm.

Available in many colours : green, yellow, blue, gray, white, red, black, brown.



Product Ref.	Size	Rolls Per Case
389	50mm x 50m	24
389	75mm x 50m	12

Box Sealing Tapes

3M™ 371 General Purpose Box Sealing Tape

371 is a general purpose box sealing tape with a bi-axially oriented polypropylene backing and a consistent hot melt synthetic rubber-resin adhesive system. This proven construction assures a reliable performance in a range of environments and applications. Available in transparent, white and tan.



Product Ref.	Size	Rolls Per Case
371	50mm x 100m	36

3M™ 3707 Low Noise Box Sealing Tape

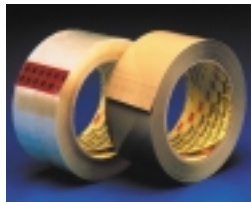
3707 is a performance box sealing tape with a polypropylene film backing and solvent adhesive. The Scotchpro™ polypropylene backing resists splitting when subjected to rough handling and absorbs impact shock. The adhesive is specially formulated to provide reduced noise during application and good adhesion to fibreboard.



Product Ref.	Size	Rolls Per Case
3707	38mm x 66m	48
3707	50mm x 66m	36

3M™ 3703 Performance Box Sealing Tape

3703 is a performance box sealing tape with a high strength bi-axially oriented polypropylene film backing and a high shear/tack solvent based natural rubber-resin adhesive. Available in brown, transparent and white.



Product Ref.	Size	Rolls Per Case
3703	38mm x 100m	48
3703	50mm x 100m	36

3M™ 6890 PVC Box Sealing Tape

6890 is a low noise and wind UPVC backed box sealing tape with a solvent natural rubber resin adhesive primarily used for single strip box closure. Application : box sealing, attaching, heat shrink sealing and bundling light weight packages. Available in transparent, white and brown.



Product Ref.	Size	Rolls Per Case
6890	38mm x 100m	48
6890	50mm x 100m	36

3M™ Box Sealing Dispenser

Provides a quick and easy method for dispensing box sealing tape directly from the roll.

NOTE: PRODUCT IS NOT INCLUDED WITH THE DISPENSER.



Product Ref.	Dispenser Per Case
H190	1



3M™ Hand Masker™

3M™ Hand-Masker™ Pre-Folded Masking Film Rolls

Hand-Masker Pre-Folded Masking Film Rolls are a high-density, non-porous film specially designed for paint masking and paint overspray protection for a wide range of surface areas on deck or hull.



Product Ref.	Description/Size	Rolls Per Case
MF-12++	300mm x 55m Folded down to 150mm	12
MF-24++	600mm x 55m Folded down to 150mm	12
MF-48++	1200mm x 55m Folded down to 300mm	12
MF-54++	1370mm x 30m Folded down to 150mm	12
MF-72++	1800mm x 27m Folded down to 225mm	12
MF-99++	2500mm x 27m Folded down to 300mm	9
MF-144++	3658mm x 18m Folded down to 318mm	12

3M™ Ready-Mask™ Pre-Taped Masking Film / Masking Paper

A convenient, pre-taped masking film (Pro F)/ masking paper (Pro P) which unfolds to cover and protect various surfaces while painting. Specially treated film / paper clings to surfaces and is easy to clean up. Pre-taped with 3M Masking Tape, to allow easy handling.



Products are available with or without Ready Mask Dispenser.

Product Ref.	Description	Roll Size	Units / Case
Pro-P Ready Mask	Plastic Dispenser + Masking Paper + Blade + Masking Tape	180mm x 30m	15
Pro-P Ready Mask Refill	Masking Paper + Masking Tape	180mm x 30m	15
Pro-F Ready Mask	Plastic Dispenser + Masking Paper + Blade + Masking Film	550mm x 35m	15
Pro-F Ready Mask Refill	Masking Film + Masking Tape	550mm x 35m	15

3M™ Hand-Masker™ M3000 Kit

This kit consists of the Hand-Masker Dispenser, one MF54++ (1370mm x 30m) masking film, one 150mm masking film cut-off blade and one 2090 masking tape (25mm x 50m).



Product Ref.	Kits Per Case
M3000	4

3M™ Hand-Masker™ Dispenser Cut-Off Blades

These Cut-Off Blades are designed for use in conjunction with the Hand-Masker Dispenser Kits.



Product Ref.	Size	Blades Per Case
FB6	150mm	6
FB12	300mm	6

3M™ Hand-Masker™ M3000K Kit

This kit includes one Hand-Masker Dispenser, one TDTD Dispenser with multi-purpose hook and one 300mm masking film cut-off blade.



Product Ref.	Quantity Per Case
M3000K	4

3M™ Hand-Masker™ Tack-Down Tape Dispenser

This accessory attachment for the Hand-Masker Dispenser accommodates an additional roll of masking tape for tacking down the loose end of masking paper during masking applications.

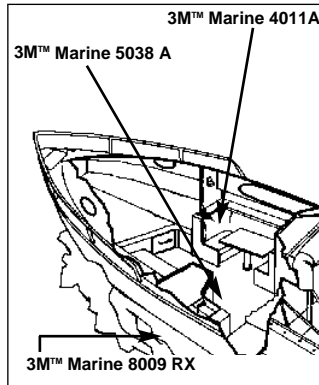
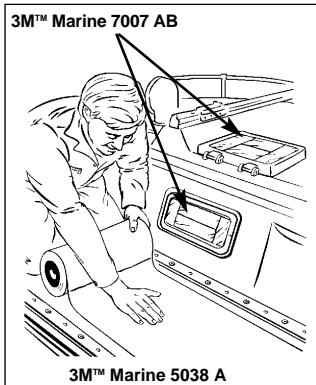


NOTE: MASKING PAPER NOT INCLUDED WITH DISPENSER ATTACHMENT.

Product Ref.	Quantity Per Case
TDTD	6

Surface Protection Films

3M™ Marine Protective Films

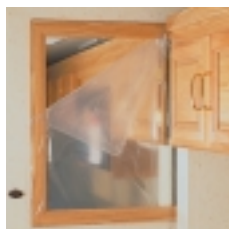


The applications for 3M Surface Protection Film in the marine industry range from the protection of component parts during manufacture, partially completed structures and completed craft in storage to handling or transportation. At the time of refit the protection of surfaces has major time and cost benefits. The simple application of surface protection film stops scuffs, scratches, dust & dirt damage, easy removal leaves surfaces in perfect condition. 3M Surface Protection film is designed to give maximum protection to all surface types. Suitable for large or small surface areas from instrument screens to carpets and decking. Innovative reverse wound rolls make application effortless on to large surface areas such as carpets. You have total control to create the ideal solution to your specific application needs. A choice of backing thickness, colour and adhesive strength, sizes from 20 - 2540 mm and up a massive 3000 m in length and for that final touch, 3M Surface Protection Film can even be printed !



3M™ 4011A Interior Furniture and Leather Seat Protection – Thickness : 40 microns

This medium/high adhesion clear protective film has been specifically developed for furniture and leather protection during boat manufacturing and refit operations. This film allows U.V. light through for even fading of interior lacquered wood. Its thickness also helps protect the surface against tool impact when dropped.



Product Ref.	Size	Rolls Per Case
4011A	32cm x 350m	8

3M™ 5038A Carpet Protection –

Thickness : 50 microns

This very high adhesion clear protective film is the perfect product for protecting carpets during the outfit of the boat. This product exists also in a reverse wound version making it much easier for the user to just unroll it onto the carpet. The 5038 A can also be used as a deck protective tape.

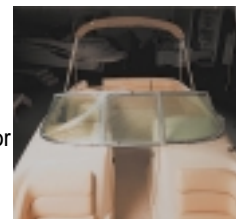


Product Ref.	Size	Rolls Per Case
5038A	42,5cm x 115m	18

3M™ 7007AB Window Protection –

Thickness : 70 microns

The 7007 AB is a low/medium blue protective film that has been developed for 2 types of application : window protection and lacquered wood protection. As this tape could stay a long time during production or refit, it needs to be U.V. resistant and as it could be applied on windows, it needs to allow light goes through. Its thickness (70 microns) provides secure protection for lacquered wood.



Product Ref.	Size	Rolls Per Case
7007AB	63cm x 175m	8

3M™ 8009 RX Gelcoat/Hull Protection – Thickness : 80 microns

This protective film has a medium adhesion performance and has been specifically developed for Gelcoat/Hull protection. The 8009 RX is black and white, U.V. resistant and can be applied to the exterior. Its thickness makes it the perfect product to protect the hull from scratches and other damage.



Product Ref.	Size	Rolls Per Case
8009RX	10cm x 350m	25
8009RX	63cm x 160m	8

3M™ 4F92 - IMO Specified - Carpet Protection – Thickness : 130 microns

4F92 is a fire retardant polyethylene protective carpet film with a moderate high-tack adhesive system. This film protects carpets during production, refit and maintenance of the boat. 4F92 meets the surface flammability requirements for floor coverings (also for bulkhead, walls and sealing) specified by the IMO Resolution A.653.

Product Ref.	Size	Roll Per Case
4F92	91,44cm x 91,44m	1
4F92	121,92cm x 91,44m	1

Surfaces Protection Films

3M™ 346 Marine Heavy Duty Protection Tape - Thickness : 420 microns

Marine Heavy Duty Protection Tape- No. 346 is abrasion resistant; its 17 mil thickness gives outstanding protection against scuffing and tearing. It offers protection to topside surfaces and cabin soles of boats under construction or repair/restoration. Its adhesive transfer resistance makes it ideal for use wherever protection from wear or damage is needed; as a temporary carpet for new boat display, to protect plastic portholes and windscreens from scratches during installation, prevents damage to painted, varnished, gelcoated surfaces, wooden decks or fiberglass decks.



Product Ref.	Size	Roll Per Case
346	120cm x 55m	1

Scotch® 425 Aluminum Foil Tape - Thickness : 110 microns

A dead soft foil tape with a highly reflective backing that provides excellent radiation for both heat and light. Used as a mask or protective surface in paint stripping operations, as well as in electroplating. Also used for general sealing, metal patching, moisture barrier and heat reflecting. Long aging both indoors and outdoors.



Product Ref.	Size	Rolls Per Case
425	25mm x 55m	12
425	50mm x 3,18m.	12

Welding Drape

3M™ Welding and Spark Deflection Paper

A flame retardant deflection paper formulated to protect vertical surfaces, glass and paint from welding splatter and grinding sparks. Comes in an easy-to-use roll form with repositionable adhesive on one side.



Product Ref.	Roll Size	Rolls Per Case
05916	610mm x 45m	2

3M™ Welding and Spark Deflection Dispenser

This dispenser is designed for use with single rolls of 610mm Welding and Spark Deflection Paper (Ref 05916). It is very easy to assemble and can be wall or table mounted.



Product Ref.	Quantity Per Case
05912	1

3M™ Lightweight Welding Drape

The 3M™ Lightweight Welding Drape resists penetration by MIG weld spatter or grinding sparks. It is self-extinguishing to protect from welding spark flame-up. Lightweight, drapable material allows one person to handle and position the drape correctly.



Product Ref.	Size	Quantity Per Case
05915	1,30m x 1,80m	4

3M™ High Performance Welding Drape

Made of carbon fibers this drape can withstand extreme heat, sparks and welding spatter like no other welding blanket on the market. The High Performance Welding Drape is half the weight of conventional blankets the same size. Its high flexibility and light weight make it very easy to drape and hold in place.



Product Ref.	Size	Quantity Per Case
05919	1,45m x 2,30m	1



Adhesive Transfer Tapes

Adhesive Transfer Tapes F-9473C & 9485

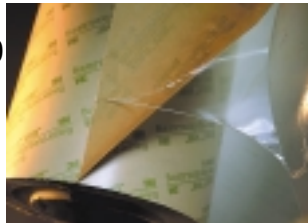
These acrylic adhesive transfer tapes are pressure sensitive tapes characterised by : a high adhesion level on a wide variety of substrates, a very good shear resistance, a very good temperature resistance and an excellent U.V. and solvent resistance. They are used for many materials assembly applications in the marine industry, but mainly for positioning sails before sewing. Also available many other references with specific technical performances.



Product Ref.	Color	Thickness	Dimension	Rolls perCase
F-9473C	Clear	0,25 mm	12 mm x 55 m	18
			19 mm x 55 m	12
			25 mm x 55 m	9
9485	Clear	0,13 mm	12 mm x 55 m.	18
			19 mm x 55 m.	12
			25 mm x 55 m	9

High Tack Adhesive Transfer Tapes 927 & 950

These acrylic adhesive transfer tapes are ideal for attaching a wide variety of similar and dissimilar materials where an aggressive adhesive with high initial adhesion is desired.



Application : splicing of films, foils & fabrics ; laminating adhesive for foam, photos, fabrics, metal or plastic nameplates ; general purpose holding and mounting application.

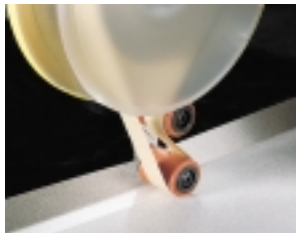
Technical information :

Adhesion to steel 927 tape = 66 N/100mm
950 tape = 82 N/100mm

Product Ref.	Color	Thickness	Dimension	Rolls perCase
927	Clear	0,05 mm	19 mm x 55 m	48
			38 mm x 55 m	24
			50 mm x 55 m	20
950	Clear	0,13 mm	12 mm x 55 m.	72
			19 mm x 55 m.	48
			25 mm x 55 m	36
			50 mm x 55 m	20

Adhesive Transfer Tapes for ATG system

Use these tapes to hold, attach, bond, laminate, tab, join, fasten, mount, splice or seal nearly any surface – paper, foils, films, fabrics, glass, foams, plastics, metal, painted surfaces and wood. Tapes are thin and tacky on both sides; one side adheres to applied surface, the other side is immediately ready to join a second surface. Provide instant tack and strong constant bond. To be used with Scotch® ATG 700 Gun.



Product Ref.	Equivalent to	Color	Thickness	Dimension	Rolls per case
926	9485	Clear	0,13 mm	12 mm x 16,5 m	72
				12 mm x 33 m	72
				19 mm x 16,5 m	48
				19 mm x 33 m	48
976	927	Clear	0,05 mm	12 mm x 25 m	72
				19 mm x 25 m	48

Scotch® ATG 700 Dispenser

This dispenser is designed for use with our Scotch® ATG Tapes for easy dispensing.

NOTE: PRODUCT IS NOT INCLUDED WITH THE DISPENSER



Product Ref.	Dispenser Per Case
ATG 700	1

Scotch® Adhesive Transfer Tape 465

Acrylic adhesive on a silicone-coated paper liner. Adhesive transfers from the liner easily to most smooth surfaces. Initial adhesion is very high. Used for miscellaneous holding, laminating, mounting and bonding applications.



Product Ref.	Dimension	Rolls Per Case
465	9mm x 55m	96 or 12
465	12mm x 55m	72 or 12
465	15mm x 55m	60 or 12
465	19mm x 55m	48 or 12
465	25mm x 55m	36 or 9
465	38mm x 55m	6

3M™ VHB™ and Double Coated Tapes

3M™ VHB™

3M™ VHB™ Double Coated Acrylic Foam Tapes

VHB tapes utilize high performance adhesives which have excellent long-term holding power. The peel adhesion and tensile holding power of tapes in the VHB family are significantly higher than typical pressure sensitive tapes. VHB tapes are ideal for use in many interior and exterior industrial applications. In many situations they can replace rivets, spot welds, liquid adhesives, and other fasteners.

Each tape in the VHB family has specific features. These can include high tensile strength : high shear and peel adhesion ; resistance to solvents,, moisture and plasticizer migration ; U.L recognition ; low outgassing ; conformability and the ability to be applied at temperature as low as 0°C.

VHB tapes are ideal for bonding a variety of substrates, including most metal, sealed wood and glass, as well as many plastics, composites and painted surfaces.

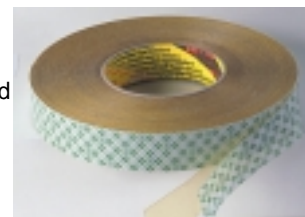


Product Ref.	Dimension
VHB Leader	
4936	Available in 6, 12, 19 & 25 mm
4941	Available in 12, 19 & 25 mm
4956	Available in 9, 12, 19 & 25 mm
VHB Low Temperature	
4943	Available in 12, 19 & 25 mm
4957	Available in 12, 19 & 25 mm
VHB Clear	
4905	Available in 6, 9, 12, 19 & 25 mm
4910	Available in 6, 9, 12, 19 & 25 mm
4915	Available in 6 mm
4918	Available in 6, 9 & 12 mm
VHB High Surface Energy (HSE)	
4646	Available in 6, 9, 12, 19 & 25 mm
4611	Available in 12, 19 & 25 mm
4655	Available in 19 & 25 mm

3M™ Double Coated Tapes

3M™ Scotch® 9527

These double-coated tapes are made of acrylic adhesive (except for the 9527 which has a rubber adhesive for general purpose) and have high initial tack. The texture of the 3M double-coated tapes gives them very good adhesion on a variety of substrates (high energy surfaces and on plastics like polypropylene, Dacron, Nylon etc...also very good adhesion on textile surfaces. Application : In sail manufacturing for positioning sails before sewing. Features : no sagging of the adhesive, moisture resistant, very good U.V. resistance and no humidity absorption.



Also available many other references with specific technical performances.

Product Ref.	Adhesive	Adhesive carrier	Thickness	Dimension	Rolls per case
9527	Rubber	Tissue	0,10 mm	9 mm x 50 m	96
				12 mm x 50 m	75
				19 mm x 50 m	48
				50 mm x 50 m	16

Product Ref.	Peel adhesion N/100mm	Shear resistance	Temperature tolerance Mini / Maxi (long term)	Description
9527	64	Medium	0°C / 50°C	General purpose

PRODUCT	REFERENCE	THICKNESS	MAIN FEATURES	BENEFITS
VHB™ Leader	4936	0.6mm	Conformable Foam ; Grey	Conformable foam core provides much better wettability on the substrates and thus higher adhesion using the same pressure. Advised for most substrates including Plastics and some powder paints.
	4941	1.1mm	Conformable Foam ; Grey	
	4956	1.5mm	Conformable Foam ; Grey	
VHB™ Low Temperature	4943	1.1mm	Conformable Foam ; Grey	Same benefits as the VHB™ leader + can be applied to substrates at low application temperatures (0°C) and has higher initial adhesion.
	4957	1.5mm	Conformable Foam ; Grey	
VHB™ Clear	4905	0.5mm	Clear	Suitable for applications on clear or translucent materials (glass, plexiglass).
	4910	1.0mm	Clear	
	4915	1.5mm	Clear	
	4918	2.0mm	Clear	
VHB™ HSE	4646	0.6mm	Dark grey ; Lower density than VHB™ Leader	Only to be advised for metal on metal applications where higher initial adhesion is not needed. Not suited for bonding on plastics and power paints.
	4611	1.1mm	Dark grey ; Lower density than VHB™ Leader	
	4655	1.5mm	Dark grey ; Lower density than VHB™ Leader	