

The Most Preferred
Tapes & Adhesives

Break through **the barriers**,
Fly high & Achieve.

3M



Our vision statement

To be recognised as an innovative solutions provider by every customer we serve.

3M's Industrial business segment represents some of our original business, such as tape and specialty adhesives. As industrial brands continuously transformed through technological innovation, this business segment also aptly represents 3M innovation at work.

3M Tapes and adhesives offer adhesive, thin and thick bonding, specialty tapes and identification solutions with the broadest line of products for markets ranging from electronics, transportation, appliances, and manufacturing, to consumer applications.

For further information about
3M latest products, please go to

www.3M.com/industrial
www.3M-IATD.com.sg





04 Adhesives

- 3M™ Scotch-Weld™ Structural Adhesives
- 3M™ Scotch-Weld™ Instant Adhesives
- 3M™ Fastbond™ Adhesives
- 3M™ Scotch-Grip™ Adhesives
- 3M™ Jet-Melt™ Adhesives and Polygun™ Applicators
- 3M™ Sealants
- 3M™ Scotch-Weld™ Anaerobic Adhesives
- 3M™ Aerosol Adhesives
- 3M™ Maintenance Aerosols

07 Surface Protection Tapes

- 3M™ Protective Tapes
- 3M™ EZ Unwind Protective Carpet Tapes
- 3M™ Bumpon™ Protective Products
- Scotch® Polyurethane Protective Tapes

08 Double-Sided Tapes

- 3M™ Adhesive Transfer Tapes
- 3M™ Double Coated Tapes
- 3M™ 300 LSE Laminating Adhesives
- 3M™ Double Coated Foam Tapes
- 3M™ Removable/ Repositionable Tapes
- 3M™ VHB™ Tapes

11 Fasteners

- 3M™ Scotchmate™ Reclosable Fasteners
- 3M™ Thin Scotchmate™
- 3M™ Dual Lock™ Industrial Reclosable Fasteners
- Low Profile 3M™ Dual Lock™

13 Single-Sided Tapes

- 3M™ Vinyl™ and Polyethylene Tapes
- 3M™ Metal Foil Tapes
- 3M™ Slick Surface Tapes
- 3M™ Sandblast Stencil Products and Impact Stripping Tapes
- 3M™ Single Sided Foam Tapes
- 3M™ Masking Tapes

16 Labels

- 3M™ Recycling Compatible Label Materials
- 3M™ High Stability Adhesive 550
- 3M™ Emtech™ Low Peel Removable Adhesive R3500
- 3M™ Emtech™ Ultra-Removable Adhesive R3800
- 3M™ 350 Label Materials
- 3M™ Destructible Vinyl Series
- 3M™ Non-transferable materials aids tamper detection with their unique properties
- 3M™ High Temperature Label Materials

18 Packaging Tapes

- Scotch® and Tartan™ Box Sealing Tapes
- 3M™ Package Attachment & Label Protection Products
- 3M™ Packing List Envelopes
- Scotch® High Strength Tapes
- 3M™ Carry Handles
- 3M™ ScotchPad™ Hang Tabs
- 3M™ Scotch® Brand Dispensers
- 3M-Matic™ Case Sealers

22 FeedBack Form

Scotchmate

4 Adhesives



3M™ Scotch-Weld™ Structural Adhesives

3M™ Scotch-Weld Adhesives are often used as an alternative to mechanical or fusion fastening as it has greater design latitude, cleaner lines, more durability, less machining, lighter weight and often less cost.

To meet application and user requirements, you can select from one-part heat-curing epoxies, and two-part room temperature curing epoxies, acrylics and urethanes. It can bond steel, aluminum, copper, low surface energy plastics, and many other substrates.

Popular Models: DP100, DP125, DP270, DP420 and DP810



3M™ Scotch-Weld™ Instant Adhesives

These one-part cyanoacrylate adhesives rapidly reach handling strength at room temperature without a catalyst. A single drop per square inch can bond many plastics, rubber, metal and more with tensile strength up to 5000 PSI.

This range of adhesives has very high peel and impact strength and it conforms to MIL-Spec-A-46050C.

Popular Models: CA-4, CA-40, CA-8



3M™ Fastbond™ Adhesives

FastBond is the 3M™ trademark on a continually growing line of water-based adhesives that are helping many industries meet the challenge right now and aim for the foreseeable future. The use of these adhesives can typically assemble parts 5 -15 seconds after applications, and its high solids contents provides 3X the coverage of an equal amount of a typical solvent-based adhesives. Depending on the specific 3M™ FastBond Adhesive, you can select quart or gallon jugs for convenient handling, or 5-gallon pails and 55-gallon drums for large bulk dispensing.

Adhesives 5



3M™ Scotch-Grip™ Adhesives

3M™ Scotch-Grip Adhesives are industrial tools designed to provide innovative answers to a wide variety of non-structural bonding problems. These high strength, fast drying elastomers bond polycarbonate, vinyl, and many other plastics to themselves such as wood or metal. It can easily bond neoprene, EPDM, and many more.

Popular Models: 1357, 1099, 4799, 1300 and 4475



3M™ Jet-Melt™ Adhesives and Polygun™ Applicators

3M™ Jet-Melt Adhesives and Polygun Applicators are engineered to be advanced systems to help you improve productivity, lower cost and minimize waste.

Jet Melt adhesives are 100% solids thermoplastic resins. When heated, they become fluid and quickly wet the bonding surface. Upon cooling, they harden and reach bond strength in seconds. These adhesives provide a versatile line of high performance formulations for fast, strong bonds on a variety of surfaces - wood, plastics, foam, fabric, cardboard, rubber, and more. Adhesives are available in stick, cartridges, and bulk form.



3M™ Sealants

Air, water, dirt, fuel, cold, heat - keeping these or other elements in or out is a challenge in applications as varied as windows and doors, truck lap seams, HVAC ductwork, vinyl siding and livestock troughs. With 3M™ Scotch-Seal and Weatherban Sealants, you will find formulation from acrylics to polyurethane, and forms from liquids to meet your requirements.

Popular Models: Polyurethane Sealants 540 and 560, Metal Sealant 2084 and Industrial Sealant 800

6 Adhesives



3M™ Scotch-Weld™ Anaerobic Adhesives

To seal gaps and tighten the fit between metal surfaces, 3M™ Scotch-Weld™ Anaerobic Adhesives apply on target and cure quickly in the absence of air. The line represents the essentials for many industrial applications and making the right choice is easy.

- Easy-to-understand, colour-coded packaging
- Simplified, streamlined inventory to reduce money tied up on the shelf
- Every product backed with 3M technical support

3M™ Scotch-Weld Threadlockers weld fasteners in place for blind holes and thru holes and prevent loosening from vibration.

3M™ Scotch-Weld Thread Sealants seal instantly to stop leaks when applied to the threads or compression fittings of most metal or certain plastic pipes.

3M™ Scotch-Weld Retaining Compounds bond and seal non-threaded cylindrical assemblies.

3M™ Scotch-Weld Gasket Makers fill voids between metal flanges and cure to a tight rigid or flexible seal.

3M™ Aerosol Adhesives

From headliner attachment to assembly of many lightweight materials, 3M Aerosol adhesives offers convenience, speed, performance and cost effectiveness to every applications. These adhesives come in handy self-contained applicators which helps reduce your storage costs, and with clean, targeted application, you will get more usable product for your money. The product range includes Spray Mount™, Super 77™ Spray, 80 contact Neoprene adhesives, 90 Hi-Strength and 74 FoamFast™ Adhesives.



3M™ Maintenance Aerosols

3M™ Silicone Lubricant

Lubricates cutting tools and tables. Fast, easy application helps prevent build-up of adhesive, wax, inks and paints.

3M™ Adhesives Remover

New food grade citrus-based remover bites in and dissolves the sticky overspray of many aerosol adhesives, plus grease, oil, grime, tape residue, tar, wax and more.

3M™ 5-Way Penetrant

A silicone-free lubricant that out-performs its competitor products in terms of penetration, rust-resistance & protection, demineralisation, and cleaning.



Surface Protection Tapes 7



3M™ Protective Tapes

3M offers a line of tapes to protect your product from scratching, marring and chipping. We offer 2-5 mils thick products for many different applications.

These tapes also come in different backings like polyethylene, polyester, and polypropylene. They have a special adhesive that will not leave residue upon removal.



3M™ EZ Unwind Protective Carpet Tapes

3M™ EZ Unwind Protective carpet tape features an adhesive formula which makes easy unwind possible.

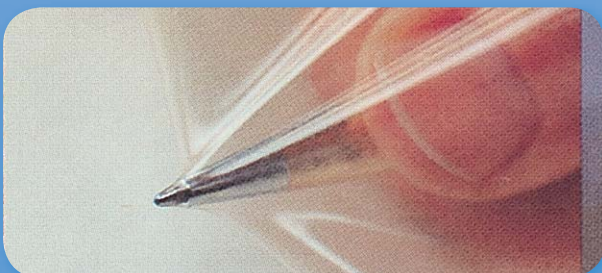
This tape is a simple solution for temporary protection of carpeting in heavily trafficked areas. Depend on this tape when:

- Wheeling equipment for construction or repairs
- Working with liquids that may stain
- Generating debris
- Tracking in dirt



3M™ Bumpon™ Protective Products

3M™ Bumpon Protective Products are pressure sensitive adhesive-backed polyurethane products that can be used as felt, stops, spacers and protectors in many applications. Available in cushion/molded shapes or rollstock forms.



Scotch® Polyurethane Protective Tapes

Scotch® Polyurethane Protective Tapes provide exceptionally tough surface protection on many metals, woods, and plastics. They conform well to curvatures, can be pre-cut into convenient shapes, and can even be painted or printed over. These tapes are used throughout the aerospace, transportation and machinery industries for their unique combination of performance properties and ease of application.

8 Double-Sided Tapes



3M™ Adhesive Transfer Tapes

3M™ Adhesive Transfer Tape are pressure-sensitive adhesive pre-applied to special release liner. Simply apply to a surface and peel off the liner. This leaves a clean, dry strip of acrylic adhesive for neat, precise joining of lightweight materials. There is a wide choice of adhesive properties to meet a variety of needs.

Foam Lamination

Double Coated Tissue Tapes are ideal for a variety of foam laminating applications where conformability is required.

Plasticiser Resistance

For bonding flexible vinyl applications such as door gaskets, 3M™ Adhesive Transfer Tape resists the effect of plasticisers that tend to migrate from the vinyl and weaken conventional adhesives.



3M™ Double Coated Tapes (Thin)

3M™ Double Coated Tapes (without foam) are adhesive-coated on both sides of paper, film, or tissue. This increases the adhesive's dimensional stability for easy handling and application. The complete line features a variety of carriers and combination of adhesives to meet almost any need!

Your choice of properties include high temperature resistance, conformability to irregular surfaces, high initial adhesion, high shear strength, and more.



3M™ 300 LSE Laminating Adhesives

Only 3M™ 300 LSE (Low Surface Energy) Laminating Adhesives has both high peel strength and high shear performance designed for bonding to LSE plastics, like polyethylene, polypropylene, polystyrene, powder coatings and lightly oiled metals.

An oven control panel backed with 3M™ High Performance Acrylic Adhesive 300LSE and 58# polycoated kraft liner.

Double-Sided Tapes ⁹



3M™ Double Coated Foam Tapes

In bonding rough or irregular surfaces, 3M™ Double Coated Foam Tapes fill gaps and distribute stress uniformly over the bonded area. Depending on the specific tape, the result is a bond line that seals, cushions and damps vibration, resists impact, withstands a wide temperature range, and provides good insulating qualities.

Choice of different foam carriers: urethane, vinyl, elastomeric, polyethylene, or acrylic.

Popular Models: 4026, 4032, 4082, 4084



3M™ Removable/ Repositionable Tapes

3M™ Removable/ Repositionable Tapes feature a relatively “permanent” adhesive on one side of a film or tissue carrier and removable / repositionable adhesive on the other side. With lined versions, you can initially join one side to a surface while the other side is covered with the liner, ready to be joined later to the second surface. Linerless versions are suited for bonding both surfaces at the same time. Different tapes in the line offer different levels of adhesion on each side of the carrier. You can join substrates that include glass, metals, wood, paper, painted surfaces, and plastics.

Reclosable Envelope Flaps

For reusable inter-office envelopes, 3M™ Removable/ Repositionable Tape eliminates costly two-tape systems.

Removable Labels

3M™ Removable / Repositionable Tapes bond to most plastics. In this application, the low tack side bonds a label in a pan, yet allows easy removal.

Removable Carpeting

With the differential tack of 3M™ tapes, temporary carpeting adheres to the floor until lifted for removal. This helps save time and effort in exhibits.

Pleated Paper Shades

3M™ Removable/ Repositionable attaches temporary paper window blinds window frames.

10 Double-Sided Tapes



3M™ VHB™ Tapes

3M Very High Bond (VHB) tapes have proven unmatched holding strength and durability where conventional mechanical fasteners such as screws, welds and bolts were previously used.

Strength and Durability

VHB tapes' all acrylic construction provides strength and durability in extreme applications. VHB resists stress, fatigue, vibration, moisture, solvents, and UV light. Unlike mechanical fasteners which concentrate stress, VHB tape provides a continuous bond - distributing stress along the entire surface.

Bond and Seals

VHB tape's foam is 100% closed cell; as it bonds it creates a durable shield. Liquids can be sealed in or out. And protective barrier is formed which resists stress and fatigue.

Viscoelasticity

Reduces fatigue caused differential thermal expansion from materials exposed to temperature changes.

Attributes:

- Fast, easy assembly, minimal application training
- No drilling, riveting, welding, screw fastening, or clean-up
- Eliminates grinding and refinishing
- Damps vibration and noise
- Absorbs impact
- Joins dissimilar materials
- Compensates for differential thermal expansion or contractions
- Lighter, less expensive materials
- Uniform thickness
- Diecutting available
- Resists plasticiser migration
- No investment in major equipment

Popular Models: 4950, 4941, 4910, 4914, 4955, 4936, 4952



VHB tape was used to bond the wall cladding of Suntec City Building.



VHB Tape was used to bond flat corrugated aluminum stiffener sections to curtain wall panels in this 55-storeys Singapore Temasek Tower.



VHB tape was used to bond the IU unit to your car's windscreen.



VHB tape holds stainless steel scuff strips to aluminum Airbus A-310 wings strongly.



3M™ Scotchmate™ Reclosable Fasteners

Industrial-strength fasteners for easy opening and closing.

When your product calls for thousand of easy opening and closings, 3M™ Scotchmate Reclosable Fasteners pull through for you. Tiny, stiff hooks mesh with pliable loops for quick, secure fastening. 3M™ Scotchmate fastener has features like:

- Flame-resistant versions
- High and low temperature-resistant formulations
- Plasticiser-resistant adhesives for attachment to most vinyls and
- Sew-on or pressure-sensitive fasteners in a variety of adhesive strengths

Popular Models: SJ 3526/SJ 3527, SJ 3571/SJ 3572, SJ 3419/ SJ 3418



Cool applications

Pressure-sensitive adhesive backing attached easily to plastic curtains on refrigerated displays. It resists low temperatures and moisture. Plasticiser-resistance assures long-term performance.



Exhibit ease

Exhibit assembly is quick and easy. 3M Scotchmate Fasteners bond styrene walls to the frame, creating a display that is slight weight and portable. Changing graphics is a snap.

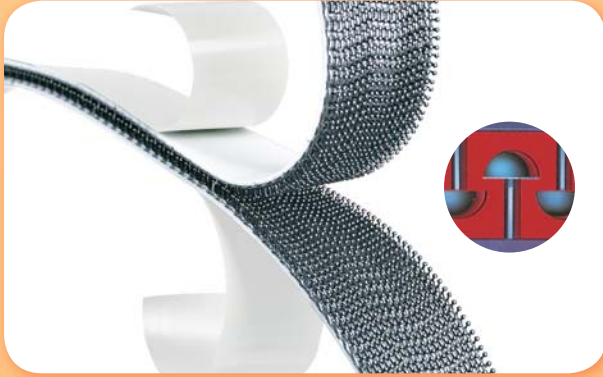


3M™ Thin Scotchmate™

This product is economical and save cost on applications requiring a limited number of easy opening & closings. It's unique thin hook can fasten directly to fabrics, carpet exclude and looped exhibit surfaces. Finally, the 3M™ High Strength Acrylic Adhesive 300 MP backing bonds to most plastics and foams, fabric and metal.

Popular Models: SJ 3506/SJ 3507

12 Fasteners



3M™ Dual Lock™ Industrial Reclosable Fasteners

When 3M™ Dual Lock Industrial Reclosable Fastener is pressed together, hundreds of mushroom-shaped stems interlock with one another. An audible “snap!” announces the fastener is locked. It has excellent tensile strength results so you can replace unsightly mechanical fasteners in many applications, yet you can open and close hundreds of times.

Popular Models: SJ 3540, SJ3550, SJ 3560, SJ 3552



Change booth panels

For fast, assembly, panels and fixtures are readily assembled in a booth with 3M™ Dual Lock Industrial Reclosable Fasteners. Breakdown is equally fast and convenient.



Quick snap access

For convenient access to wiring in moveable office partitions, 3M™ Dual Lock Industrial Reclosable Fasteners attach metal cover plates over wiring channels.



Low Profile 3M™ Dual Lock™

Interlocking mushroom shaped stems are shorter for a lower profile than the original 3M™ Dual Lock Industrial Fastener.

Clear backing provides a firm yet pliable attachment for use with semi-flexible materials. And your product colour shows through.

3M™ 300LSE Adhesive backing bonds to LSE plastics, bare and painted metal, glass, wood and more.

Popular Models: SJ 4570

Single-Sided Tapes 13



Colour coding and identification.



Aisle marking and hazard identification.

3M™ Vinyl™ and Polyethylene Tapes

- Conformable tape used for many applications such as fine line paint masking, surface protection and identification.
- Specially formulated adhesive system allows clean removal.
- Availability of multi-colours makes the tape ideal for many of your colour coding identification and decorative requirements.
- The “colour throughout” backings give these products extra wear life for many applications that require resistance from abrasion, such as aisle marking.
- The chemical resistance these products, makes them ideal for many applications, such as metal plating, that involve exposure or resistance to chemical environments.



3M™ Metal Foil Tapes

Aluminum Foil Tapes

- Moisture and Chemical Resistant
Help seal and protect many sensitive assemblies and surfaces.
- Thermally Conductive
Help maximize efficiency of heating or cooling by increasing transmission over broader area.
- Heat and Light Reflective
Help protect plastic components from heat damage. Help improve visibility by magnifying light sources.
- Flame Resistant
Help protect parts from flame damage.
- Outdoor Weatherable
Resist U.V. degradation, ensures long lasting performance.



Protect sensitive cables, fuel lines and flexible tubes from heat and flame sources.

Lead Foil Tapes

- Electrically Conductive
“Thieving” action eliminates metal plating edge build-up.
- Acid Resistant
Broad applicability for etching, milling and plating operations.
- High Density
Ideal weighting or balancing medium.
- X-ray Opacity
Help protect components from x-rays. Great marker or locator for x-ray inspection operations.

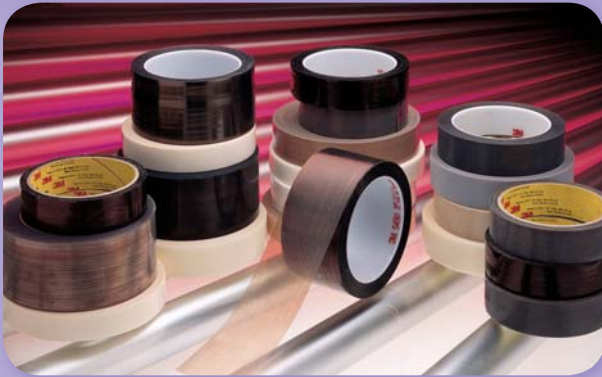


Holds copper cooling tubes to refrigerator panels to help maximise cooling efficiency.

Damping Foils

- Noise Reduction
Unique polymer converts vibration to negligible heat.
- Fatigue Reduction
Reduced vibration helps prolong product life.
- Vibration Damping
Damp resonant vibration for noise control.

Single-Sided Tapes



Self-lubricating 3M Film Tape helps the movement of web materials in many types of roller wrapping applications.



3M UHMW-PE Film Tape is placed on a web former edge to minimize web friction as the web is folded.



Computer Cutting



Blasting Granite



Blasting Wood

3M™ Slick Surface Tapes

PTFE Tapes

• Low Coefficient of Friction

Self-lubricating nature of PTFE film tape can help improve the processability of many web materials.

• Excellent Heat Resistance

High temperature PTFE glass cloth tape provides long lasting performance in many heat-sealing machines.

• Anti-Stick/Release

Release nature of PTFE film tape facilitates clean up of hot plastic extrusion coating by not allowing plastic build-up on rollers.

• Chemical Resistance

Provides chemical barrier for harsh design environments.

UHMW-PE Tapes

• Abrasion Resistance

Help protect plastic and metal chutes, guide rails and containers from water.

• Low Coefficient of Friction

Reduce noise and vibration.

• Anti-Stick/ Release

Provide easy clean up surface for many coating or bonding applications involving various inks, glues or sealants.

3M™ Sandblast Stencil Products and Impact Stripping Tapes

• Easy cutting for computer, hand and die-cutters, and tough protection for the engraver.

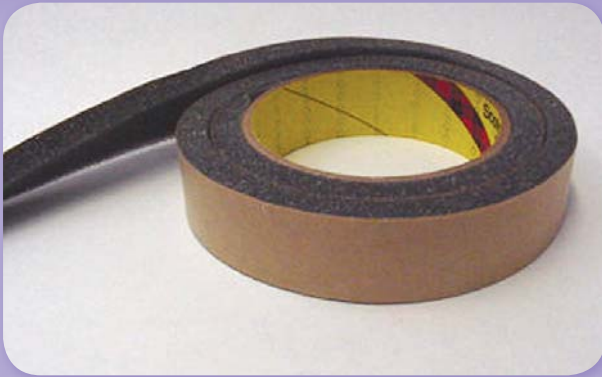
• Wide assortment of slot and tractor punched stencils for optimum performance on a variety of sprocket fed plotters.

• Rubber backing minimizes stretch, so stencils do not shrink.

• Adhesive technology eliminates edge lifting yet removes cleanly from a variety of surfaces.

• Impact Stripping Tapes offer excellent abrasion resistance to stripping media.

Single-Sided Tapes 15



3M™ Single Sided Foam Tapes

Use these tapes to protect your products from the elements of destruction. A wide variety of backing/adhesive combinations meet demanding applications requiring gasketing, baffling, cushioning, and insulating.

- Vinyl foam tapes feature a closed cell design to provide durability, flexibility, weather resistance, and a seal against dust, light, and moisture.
- Urethane foam tapes have an open cell and include models with excellent cushioning characteristics and high absorbency to trap moisture, dust, light and, contaminants.

Popular Models: 4104, 4314, 4504, 4716



3M Urethane Foam Tape acts as a cushioned seal and helps deaden sound on a computer printer cabinet.



Moisture and dirt are kept outside cluster mailboxes with 3M Vinyl Foam Tape.



3M™ Masking Tapes

3M offers a complete family of crepe masking tapes for the industrial and consumer markets. All of our crepe masking tapes are manufactured with the highest professional standards.

- **Instant Adhesion**
Tapes stick at a touch.
- **Conformability**
Tape easily makes sharp curves.
- **Transfer Resistance**
Tape can be easily removed without leaving adhesive.
- **Solvent Resistance**
Tape backing resists solvent penetration.
- **Sliver Resistance**
Tape does not come off in pieces.
- **Dead Stretch**
Tape can be stretched around a curved surfaced without pulling away.
- **Flake Resistance**
Paint anchors to the tapes backing.

Popular Models: 232, 2308, 2214



3M masking tapes feature a thin, smooth backing that results in a sharp paint line.



Scotch® Fine Line Tape is an excellent low temperature masking tape for two - colour separation lines in fiberglass boat manufacturing.



3M masking tapes conforms to many irregular surfaces, resists lifting and stay in place throughout most paint masking processes.



3M™ Recycling Compatible Label Materials

Durable good manufacturers are demanding lower recycling costs and major reductions in waste materials. In search of improvements for the industry's plastics recycling process, 3M has created 3M Recycling Compatible Materials. The first durable labels that are compatible with housing made of ABS, PC, PC/ABS, and HIPS. 3M Recycling Compatible Label Materials are changing traditional recycling processes.



3M™ High Stability Adhesives 550

Provides clean removal from most surfaces for up to one year. Excellent for die-cut masks that need outdoor performance and removability.

3M™ Emtech™ Low Peel Removable Adhesive R3500

Designed for high-surface-energy substrates like glass, metal, and HSE plastics, 3M/Emtech adhesive R3500 removes easily with no residue, yet maintains a secure attachment to your substrate. It's ideal for automotive paint and manufacturing masking operations.



3M™ Emtech™ Ultra-Removable Adhesive R3800

With lower initial tack and lower peel than 3M/Emtech R3500, this adhesive offers easy repositioning similar to a Post-it®. Excellent for use on point-of-sale labels for appliances, mirrors, office equipment, and other smooth surfaces. It's also an excellent alternative to static cling



3M™ 350 Label Materials

For today's toughest labelling challenges, 350 adhesive identification materials offer solutions for almost any surface. While textured powder coatings and LSE plastics produce serious adhesion challenges, 3M's 350 premium performance adhesive provides the answer. It is engineered for versatility, assuring reliable performance on a wide range of surfaces. And because 350 adhesive is available on a selection of printable face stocks, it lends itself to a variety of applications, from barcode identification to attractive nameplates.



3M™ Destructible Vinyl Series

Sensitive products need protection from tampering. 3M's destructible vinyl series comes with tough cross-linked acrylic adhesive that minimizes adhesive ooze. Its excellent adhesion to a variety of surfaces, including low-surface energy materials promotes durability under a variety of adverse conditions.

As these labels are top coated, users would have the flexibility to add variable information at their own convenience. These labels are also compatible with a variety of ribbons, producing quality print-outs.



3M™ Non-transferable materials aids tamper detection with their unique properties

- Visibly detectable “void” message provides obvious change that indicates tampering, even in smaller size labels.
- Durability in a wide range of environments allows them to withstand extreme temperature and humidity fluctuations.
- Reliable indicators exposes “void” message only as a result of tampering.
- Imprintable with a wide variety of images enables easy accommodation to manufacturers printing requirements.
- Product available for both constant and variable information applications provides formats that meet multiple requirements.



3M™ High Temperature Label Materials

Introducing 3M™ Label Material 7812, along with 3922 and 7811, for all your high temperature labeling requirements. 3M high temperature label materials are ideal for your applications requiring tracking through extreme temperature processes, such as re-flow and wave soldering. These 3M materials offer the OEM a choice between premium industry standard materials and innovative alternatives where cost-down pressures are paramount.

Product Features:

- Extremely high temperature resistant
- Excellent resistance to chemicals
- Designed to withstand applications using re-flow and wave soldering
- Products available for thermal transfer or dot matrix printing

Popular Models:

10275 3M		3922
10274 3M		3922
10273 3M		3922
10272 3M		3922
10271 3M		3922

18 Packaging Tapes



Scotch® and Tartan™ Box Sealing Tapes

3M Box Sealing Tapes are suitable for all carton sealing applications as the tapes are built tough, to resist score line breaking and centre seam splitting despite rough handling of the cartons.

In addition, 3M offers a complete range of security tapes with built-in deterrent features to address potential tampering and pilfering problems. With these security features that can be added to a normal box sealing tape.

Customer benefits include:

- Protection of brand image and prevention of counterfeiting.
- Prevention of break-in attempts, as well as early and easy detection of pilferage.

Popular Models: 311, 313, 371, 373, 375, 355



3M™ Package Attachment and Label Protection Products

When you want to keep shipping labels clean, legible, and attractive, choose a 3M Label Protection Tape.

3M pouch tapes let you attach and protect shipping documents in one easy step. They can be used to attach small parts or promotional items as well. Custom printed versions are available.

Popular Models: 822, 356, 8210P, 824 Pouch Tapes



3M™ Packing List Envelopes

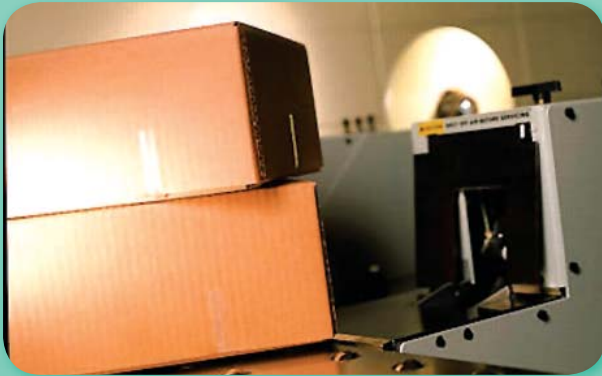
3M packing list envelopes protect packing slips, invoices, cards and other shipping documents. They are available in customer printed versions.

3M packing list envelopes offer high quality printing to focus attention on your documents and a high tack, hot melt adhesive that keeps envelope in place through a wide range of temperature and conditions.

Popular Models: NP-1, NP-2, NP-3, NP-4, NP-5, NP-6

Packaging Tapes ¹⁹

Scotch® High Strength Tapes



Bundling and Reinforcing Solutions

3M has developed a wide range of high strength tapes specifically designed for the bundling and reinforcing challenges faced in the industrial marketplace. Applications for these high performance products can vary dramatically – from tabbing the end lap of metal coils to stabilizing pallets to reinforcing large bulk containers or just a single carton. These tapes balance tensile strength and adhesive holding power, even under extreme conditions, providing secure, cost-effective solutions for a variety of strapping, bundling and reinforcing applications.

Popular Models: 8934, 898, 8959, 8898, 890



Box Closing

Scotch® High Performance Filament and Film strapping tapes secure your package with maximum holding power and durability. Whether you are sending small or medium size panels, or transporting large merchandise, such as large home appliances or furniture, these Scotch® products make practical alternatives to less reliable, traditional closure methods.

Popular Models: 863, 865, 898, 8959, 8981



Clean Removal Solutions

Today's transportation environment mandates packaging methods requiring extremely high strength tapes that leave no residue when removed. 3M offers a variety of tapes specially designed to remove cleanly, without staining, from a number of substrates, including painted and unpainted metal, vinyl, glass, and various plastic surfaces. These tapes are popular for securing appliance parts such as modular refrigerator shelves and washer and dryer lids and doors during transportation. They can also be used to secure the last lap of various metal coils. Their exceptionally strong film backing or filament reinforcement and holding power combined with their clean removability, make these tapes safe, cost-effective solutions for a variety of holding and protection application.

Popular Models: 8896, 8898, 8915, 8919

20 Packaging Tapes



3M™ Carry Handles

3M carry handles incorporate strong adhesive at the end of each handle that enables it to stick to both sides of a box or package, creating a small loop for easy carrying. The handle does not cramp your hand due to its ergonomic design. Each carry handle can carry up to 17kg of weight.

Customer benefits include:

- Packaging flexibility, from multiple units within a product line, to a mixed assortment of complimentary products. It eliminates the need for extra packaging materials such as paper or plastic bags.
- Innovative yet cost effective method in communicating promotional messages with the option to custom print logos, slogans, even contest forms, on the carry handles.
- Improved sales revenue by creating impulse purchases at store level. With a carry handle, consumers will find it easier to lift your products off the shelf.

Popular Models: 8325, 8326, 8327, 8328



3M™ ScotchPad™ Hang Tabs

3M™ ScotchPad Hang Tabs are designed to adhere to a product surface and then to hang that product from a peg for display purposes.

ScotchPad Hang Tabs are made of clear, sturdy plastic and pressure sensitive adhesive that will stick to most surfaces. They are handy for shrink-wrap packages as well as in-store repair of damaged packaging such as torn punches in chipboard header cards.

Popular Models: 1074, 1075, 1076



3M™ Scotch® Brand Dispensers

All Scotch Brand Dispensers that are available for 3M box sealing tapes, filament tapes, film tapes, label protection tapes, and pouch tapes are application-designed to meet the needs of the customer. With that in mind the 3M dispenser range includes: manual hand-held, manual bench top, semi-automatic, and fully automatic dispensers.

3M-Matic™ Case Sealers



3M-Matic™ Case Sealer 800rf

Building on more than 30 years of packaging innovations, 3M can offer you a wide selection of products and systems to make packaging for transport easier and more productive in any size operation. Compact and built tough for reliability, each machine features the patented 3M AccuGlide II Taping Head to positively apply tape with low impact to protect even lightweight cases.

To keep your operation productive, we have specially designed 3M-Matic™ equipment to perform best with Scotch® and Tartan™ Box Sealing Tapes. Each application of box sealing tapes provides consistent high-quality closure for your shipping container. With the many different Scotch® and Tartan™ Box Sealing Tapes available, there is sure to be one that is perfect for your needs.



3M-Matic™ Case Sealer 700r

• Random Case Sealing Solutions

3M offers a full line of random-size case sealers that automatically adjust to carton height and width. These machines are ideal when running random case sizes or where multiple lines running different case sizes come together for sealing. 3M-Matic Case Sealers are designed to provide consistent high-quality closure for your shipping containers and years of dependable performance.

Popular Models: 700r, 700rks, 800r, 800rks, 800rf, 2000rf



3M-Matic™ Case Sealer 800af

• Adjustable Case Sealing Solutions

3M offers a full line of adjustable case sealers that feature quick box height and width adjustments. These machines are ideal where cartons are all the same size or where same size runs are achievable for a fixed period (minimizing adjustment time). 3M-Matic Case Sealers are designed to provide consistent high-quality closure for your shipping containers and years of dependable performance.

Popular Models: 120a, 120ab, 120af, 200a, 700a, 700aks, 800a, 800ab, 800af, 800asb

To: 3M (Tapes & Adhesives) Customer Contact Centre

Fax: 6552 2116, **Tel:** 1800- 458 3113, **Url:** www.3M-IATD.com.sg



LET US PROVIDE YOU WITH A SOLUTION

Name	:	_____	E-mail	:	_____
Company Name	:	_____	Designation	:	_____
Contact No.	:	_____	Fax	:	_____
Address	:	_____			

1. What manufacturing activity is your company involved in ? (Pls tick as appropriate)

<input type="checkbox"/> Computer / Peripheral Assembly / Manufacturing
<input type="checkbox"/> PCB Manufacturing
<input type="checkbox"/> Disk Drive Manufacturing
<input type="checkbox"/> Electronic Components
<input type="checkbox"/> Metal Fabrication
<input type="checkbox"/> Engineering / Construction Works
<input type="checkbox"/> Paper & Printing
<input type="checkbox"/> Aerospace
<input type="checkbox"/> Marine / Shipyards
<input type="checkbox"/> Others (Please specify): _____

2. Please give me more information on:

<input type="checkbox"/> Adhesive
<input type="checkbox"/> Surface Protection Tapes
<input type="checkbox"/> Double-Sided Tapes
<input type="checkbox"/> Fasteners
<input type="checkbox"/> Labels
<input type="checkbox"/> Industrial Tapes (Single-Side Tapes)
<input type="checkbox"/> Packaging Tapes
<input type="checkbox"/> Others (Please specify): _____

3. I would like 3M to arrange for:

<input type="checkbox"/> A sales representative to contact me
<input type="checkbox"/> Product demonstrations at my company premises
<input type="checkbox"/> A discussion with your technical engineers
<input type="checkbox"/> A visit to 3M's Innovation Centre

4. Enquiry (Please elaborate below):

--



Thank you for your enquiry! A 3M representative will be contacting you soon. As a token of our appreciation, we would like to send you a 3M gift pack. Please allow one week for delivery.



www.3M.com/industrial
www.3M-IATD.com.sg



Industrial Tapes and Adhesives Division

3M Technologies (S) Pte Ltd
9 Tagore Lane
Singapore 787472

Tel : 1800 458 3113
Fax : 6552 2116
Email : innovation.sg@mmm.com