

# 3M™ Box Sealing Tapes

3M™ Box Sealing Tapes deliver convenience and dependability every time you use them. They're built tough, to resist score line breaking and center seam splitting even when boxes are handled roughly. Tape dispenses quickly and easily, to save you time. 3M™ Box Sealing Tapes are available in a variety of lengths, widths, and colors to meet your specific needs.

## Key Customer Markets

- ◆ Food and Beverage
- ◆ Electronics
- ◆ e-Fulfillment
- ◆ Pharmaceuticals

## PRODUCT INFORMATION

Product	Tape Structure (Backing/Adhesive)	Backing Thickness mils(mm)	Total Thickness mils(mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lbs./in. (N/100 mm)	Elongation at Break %	Comments
ASTM Test Method:		D-3652	D-3652	D-3330	D-3759	D-3759	
<b>BOX SEALING TAPES</b>							
305	Polypropylene/Acrylic	1.0 (.025)	1.8 (.046)	—	21 (368)	—	Available in Clear and Tan.
311	Polypropylene/Acrylic	1.1 (.028)	2.05 (.052)	22 (24)	25 (438)	—	Available in Clear and Tan.
313	Polypropylene/Acrylic	1.6 (.041)	2.55 (.065)	24 (26)	35 (613)	—	Available in Clear and Tan.
369	Polypropylene/Synthetic Rubber	1.0 (.025)	1.6 (.041)	30 (32)	19 (333)	160	Available in Clear and Tan.
371	Polypropylene/Synthetic Rubber	1.2 (.030)	1.9 (.048)	40 (44)	22 (385)	160	Available in Clear, Tan, Blue, Green, Orange, Red, White, and Yellow.
372	Polypropylene/Synthetic Rubber	1.4 (.035)	2.2 (.056)	45 (49)	26 (455)	160	Available in Clear and Tan.
373	Polypropylene/Synthetic Rubber	1.6 (.041)	2.5 (.064)	50 (55)	30 (525)	160	Available in Clear, Tan, Blue, Green, Orange, Red, White, and Yellow.
375	Polypropylene/Synthetic Rubber	2.0 (.051)	3.1 (.079)	55 (60)	35 (613)	160	Available in Clear and Tan.
<b>SPECIALTY BOX SEALING TAPES</b>							
255	Paper/Synthetic Rubber	4.6 (117)	5.3 (135)	80 (88)	40 (700)	NA	Available in 1.5" x 60 yards.
351	Polyester/Synthetic Rubber	2.0 (.051)	3.43 (.089)	78 (85)	67 (1174)	130	Available in Clear. Meets Government Spec. D-5486.
353	Polyester/Synthetic Rubber	1.0 (.025)	1.9 (.048)	45 (49)	25 (437)	110	Available in Clear and Tan.
355	Polyester/Synthetic Rubber	2.0 (.051)	3.43 (.089)	78 (85)	67 (1174)	130	Available in Clear and Tan.
3533	Polyester/Acrylic	1.0 (.025)	2.0 (.051)	25 (27)	25 (438)	110	Available in Clear.
3721	Polypropylene/Modified Synthetic Rubber	1.2 (.030)	2.1 (.053)	35 (38)	22 (386)	160	Available in Clear. Modified for cold temperature applications.
3723	Polypropylene/Modified Synthetic Rubber	1.6 (.041)	3.0 (.076)	45 (49)	30 (525)	160	Available in Clear. Modified for cold temperature applications.
3732	Polypropylene/Synthetic Rubber	1.6 (.041)	2.5 (.064)	50 (55)	30 (525)	160	Tan with red printed message: "If Seal Is Broken Check Contents Before Accepting."
3734	Polypropylene/Synthetic Rubber	1.6 (.041)	2.5 (.064)	50 (55)	30 (525)	160	Tan with red printed message: "Fragile Handle With Care."
3743	Polypropylene/Modified Synthetic Rubber	1.6 (.041)	2.6 (.066)	43 (47)	30 (525)	160	Available in Clear and Tan. Modified for high initial tack.
3781	Polypropylene/Synthetic Rubber	1.2 (.030)	1.9 (.048)	40 (44)	22 (385)	160	Available in Clear. Designed for use on Continuous Taping System (CTS) Stand.
3782	Polypropylene/Synthetic Rubber	1.4 (.035)	2.2 (.056)	45 (49)	26 (455)	160	Available in Clear. Designed for use on Continuous Taping System (CTS) Stand.
3783	Polypropylene/Synthetic Rubber	1.6 (.041)	2.5 (.064)	50 (55)	30 (525)	160	Available in Clear. Designed for use on Continuous Taping System (CTS) Stand.
3785	Polypropylene/Synthetic Rubber	2.0 (.051)	3.1 (.079)	55 (60)	35 (613)	160	Available in Clear. Designed for use on Continuous Taping System (CTS) Stand.

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.



**Box Closure on Automated Equipment** Fig.144

3M is the leader in pressure sensitive technology with more than 65 years' experience and ongoing dedication to research. With this experience and technology, 3M provides box sealing tapes of high quality and uniform construction that meet the rigorous demands of high speed taping equipment.



**Over Packed Boxes** Fig.145

Pressure sensitive 3M™ Box Sealing Tape is designed for packaging applications that put significant shear stress on the tape.



**Under Packed Boxes** Fig.146

Are under packed boxes affecting your productivity? The consistent, reliable performance of 3M™ Box Sealing Tapes provide peace of mind for a secure seal.



**Cold Temperature** Fig.147

3M™ Box Sealing Tapes are an outstanding choice for applications where tape is applied below 40° F. This is particularly important for cold packing stations and food packaging in conditions that experience application temperatures below 40° F.



**Tape Application Issues** Fig.148

Experiencing downtime due to tabbing? The consistency and easy unwind of 3M™ Box Sealing Tapes reduce the downtime and rework due to tape application.



**Box Closure Issues** Fig.149

Are you experiencing damage, loss of product or rework due to popping? 3M™ Box Sealing Tapes provide a balanced construction of initial adhesion and holding power to provide a secure seal through the entire supply chain.



**Staples** Fig.150

Pressure sensitive 3M™ Box Sealing Tapes provide added strength to the corrugated cartons while avoiding the waste and safety issues encountered with staples.



**Hot Melt Adhesives** Fig.151

Pressure sensitive 3M™ Box Sealing Tapes reliably seal cartons without the added issues of dwell time, equipment and maintenance associated with hot melt glue, nor the safety issue surrounding the hot melt equipment need for applying glue.



**Water Activated Paper Tapes** Fig.152

3M™ Box Sealing Tapes require no activation and adhere instantly at a touch. In addition, 3M™ Box Sealing Tapes are water-resistant while gummed tapes can be reactivated by contact with moisture and can fall off the cartons. Reinforced gum tapes are relatively fragile while 3M™ Box Sealing Tapes' Backings elongate to handle shocks in distribution resulting in a secure seal.



**Vacuum Lift Applications** Fig.153

Pressure sensitive 3M™ Box Sealing Tapes are an excellent choice for processing situations where cartons are lifted with a vacuum lift after sealed with tape where initial high holding power to a corrugated box surface is required.



**Moisture Resistant Applications** Fig.154

3M™ Box Sealing Film Tapes are designed to resist moisture encountered in storage and shipping through the supply chain.



**Handling of Cartons in Supply Chain** Fig.155

Miles of conveyors, sorters, accumulators and chutes are common in large Retail Distribution Centers and in Express Parcel Systems. These can cause abrasion damage and nicks to inferior competitive tapes. Packages and tapes need to be upgraded to accommodate these distribution centers.