



Automotive Attachment Tape

Part Numbers 06377 and 06378 (Gray)

Technical Data Sheet

September 2004

Supersedes Technical Data Sheet dated July 2002

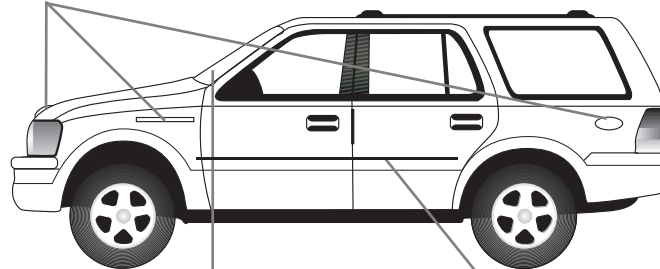
General Description

3M™ Automotive Attachment Tapes 06377 and 06378 are .030-inch thick, gray acrylic foam tapes with proven performance acrylic adhesives. These tapes are characterized by good peel and shear adhesion, good internal strength, good conformability and good plasticizer resistance. Typical applications are attachment of emblems, nameplates, badges and other lightweight moldings and trim.

Part numbers 06377 and 06378 are **not** recommended for medium- to heavy-weight trim attachment. 3M recommends part numbers 06382, 06383, 06384, 06386 or 06397 for heavier parts and more demanding applications.

Typical Applications

Badges/Nameplates/Emblems

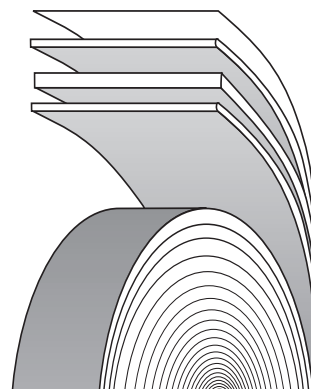


Noise and Vibration Reduction

Narrow and Lightweight Body Side Moldings

Product Construction

Release Liner
Acrylic Adhesive
Gray Acrylic Foam
Acrylic Adhesive



Data Sheet 06377 and 06378

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Physical Properties	Foam	Gray acrylic
	Liner color	Red
	Thickness	.030 in (0,8 mm)
	Package	Clam shell

Ordering Information	Part Number	Color	Size	Rolls Per Box	Boxes Per Case
	06377	Gray	1/2" x 20 yds (12,7 mm x 18,3 m)	1	12
	06378	Gray	7/8" x 20 yds (22,2 mm x 18,3 m)	1	12



3M™ Acrylic Foam and Acrylic *Plus* Tapes

Technical Update: Branded Liners

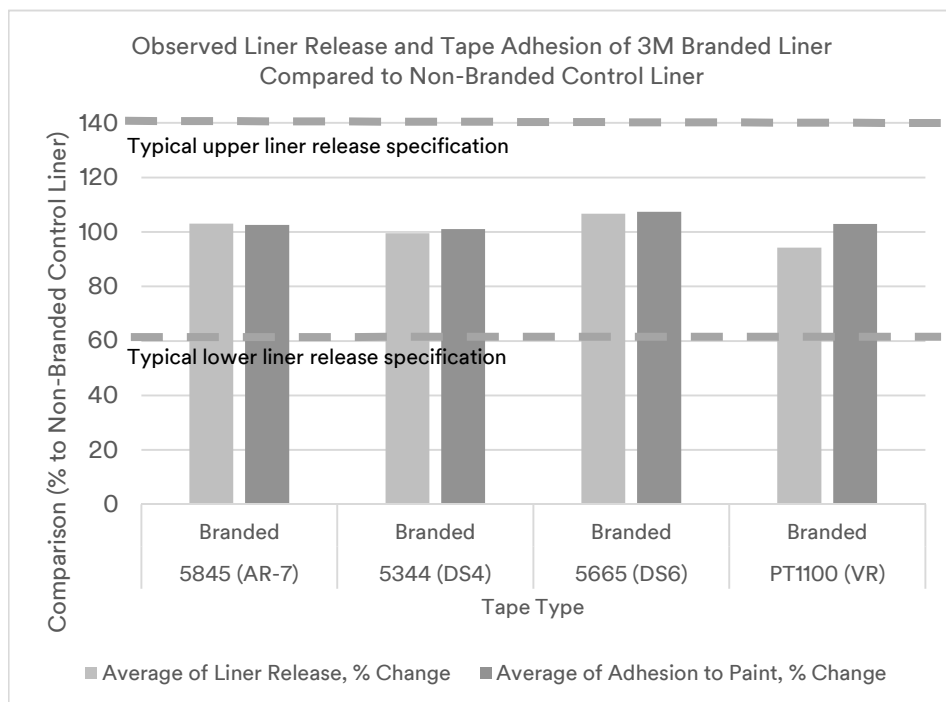


In an effort to help our customers confirm that they are using 3M™ Automotive Attachment Tapes, many of our products now feature 3M branding on the liner. Several competitive products on the market today also take advantage of a red liner, and on occasion, our Technical Service Teams have identified applications where the customer thought they were using 3M products, but were actually being supplied with a non-3M product.

Product Performance

The liner enhancement does not affect the adhesive performance or liner removal from the tape, and does not impact the finished product or PPAP characteristics; current PPAP's remain valid.

Performance tests are run using standard test procedures in 3M laboratories. The values presented are typical and are not to be used for specification purposes. Values depend on test conditions and substrates.



Impacted Products

Please consult the chart below for a complete list of 3M Automotive Tapes and Reclosable Fasteners impacted by this liner change.

3M™ Acrylic Foam Tapes			
4220	5345	5665	EC3516
4220FS	5356	5666	GT6008 (GT6008F, GT6008FS, GT6008L, GT6008TL)
4225	5363F	5745L	GT6012 (GT6012F, GT6012FS, GT6012L)
4257	5366F	5845	GTE6112
5314	5367F	5933	Series PX5000 (PX5005, PX5008, PX5011, PX5015)
5314F	5392FLR	EC3504	
5314FS	5390	EC3508	
5344	5567	EC3512	

3M™ Acrylic Plus Tapes
Series EX4000 (EX4008, EX4008T, EX4011, EX4011T, EX4015, EX4015T)
Series PT1000 (PT1100, PT1100T, PT1500, PT1500T)
Series EX4500 (EX4508, EX4508T, EX4511, EX4511T, EX4515, EX4515T)
ST1200
WT4112

3M™ Dual Lock™ Reclosable Fasteners, Roll Goods with Pressure Sensitive Adhesive			
Part Numbers by Stem Density			Dual Lock / 3M Tape
170	250	400	
	SJ3787	SJ3785	DL XXX / 4225
	SJ3758	SJ3271	DL XXX / 5356
		SJ3788	DL XXX / 5745
			DL XXX / GT6008
			DL XXX / GT6012

Details

- Dark gray, closed-cell acrylic foam delivers strength and conformability
- Thin .76mm tape gives streamlined flush appearance for lightweight auto moldings and trim
- Acrylic adhesive makes for high peel and sheer adhesion
- Adheres well to traditional paint systems
- 1/4" width is ideal for exacting applications
- Adhesion promoter recommended for tape-to-part adhesion on plastic parts

3M™ Automotive Attachment Tape 06376 is just .03" (.76 mm) thick, making it excellent for flush, streamlined and permanent application of lightweight auto trim and moldings. This ¼"-wide OEM-approved tape incorporates a strong yet conformable closed-cell acrylic foam with high performance acrylic adhesive on both sides. This adhesive resists plasticizers and delivers high peel and shear adhesion.

A Thin Attachment Tape for a Range of Lightweight Trim and Moldings

Our [3M™ Automotive Attachment Tape 06376](#) is a good choice for permanent attachment of lighter moldings, trims, nameplates and emblems to automotive surfaces. This OEM approved .03" (.76 mm) thick attachment tape is built on a core of medium density closed-cell acrylic foam that provides a blend of strength and conformability for a flush, professional appearance even across long applications such as door edge moldings. The tape is 1/4" wide, good for narrow parts requiring exacting application. The viscoelastic foam core conforms well even to complex geometries. It is engineered for stress relaxation when exposed to high stress loads, and maintains bond-line aesthetics under normal stress loads. The dark gray-colored tape blends well with automotive surfaces for a smooth appearance. A [red liner](#) printed with the 3M logo provides easy one-piece release for efficient application.

3M recommends the use of 3M™ Automotive Adhesion Promoter 06396 for tape-to-part adhesion with 3M tape 06376 on all plastic parts such as RIM, TPO, PPO, PP and PC.

Recommended Applications

- Badges, nameplates and emblems
- Lightweight moldings and door edge trim
- Wheel lip molding
- Luggage rack slats

Better Science for Better Adhesion from 3M

Since 1925 when one of our lab assistants invented masking tape, 3M has been applying science to life — developing adhesive products and technologies that help entire industries and individual businesses worldwide. The work that began with a single 3M engineer now spans decades and generations — and all of it goes into each of our products developed for automotive OEM, like 3M™ Automotive Attachment Tape 06376.



Flush fit of emblems, nameplates badges and other lightweight moldings and trim

Rely on [premium tapes by 3M](#) if you're looking for quality and efficiency.