# Brother™ Tape Technology

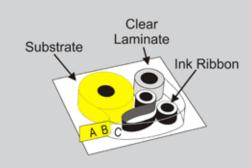
## Everything to make laminated labels is preloaded

To help make printing laminated labels on-demand reliable and trouble free, Brother™ preloads all consumables needed into a drop-in cartridge design.

This means that when you print a laminated label, everything needed to produce that laminated label is already resident within the cartridge. So the printed label that emerges is already laminated; there's no additional process necessary to produce the finished label. You can simply peel off the backing and apply the label to virtually any surface, immediately.

#### Each cartridge contains:

- A supply roll of colored polyester face stock with an acrylic adhesive coated on both sides (with silicon liner on bottom side)
- Supply and take up rolls for a colored ink ribbon designed to transfer to the polyester lamination
- A supply roll of matte finish or glossy clear polyester lamination





# How your laminated label is printed — content is printed under the lamination

The print head transfers the ink to the underside of the lamination, and then a pressure roller combines the "printed" lamination to the face stock, and "pushes" the laminated label to the cutting position where the label is then cut to your desirable length.

The laminated labels are produced from a continuous "tape" available in 6 standard widths (36mm, 24mm, 18mm, 12mm, 9mm and 6mm) and in the following adhesive types:

- Standard Adhesive Designed with a medium adhesive coating for general purpose applications with a smooth and flat surface
- Extra-Strength Adhesive Designed with a soft adhesive coating to increase surface area contact on plastics or textured surfaces
- Flexible ID Designed with a hard adhesive coating to apply adhesive to adhesive (flag label) or adhesive to laminate (wrap around) for labeling cables and wires
- Tamper-Evident Designed with a special face stock that breaks apart if the laminated label is disturbed or removed



# Brother™ Tape Technology

### Tape durability test results

Brother<sup>™</sup> used an independent laboratory in Japan to conduct durability testing on all Brother<sup>™</sup> laminated labels. These tests include measuring the performance for abrasion, fading, hot and cold temperatures, exposure to chemicals and moisture.



#### **Abrasion Resistance**

After 50 round-trip passes with a 1kg weighted sand eraser, Brother™ laminated tapes only came up slightly scratched with the characters underneath completely unaffected.



#### Chemicals and Water

Having bathed Brother<sup>™</sup> laminated tapes in a variety of materials for two hours, they still managed to remain affixed to their surfaces with little damage. Even chemical spills, with a quick wiping, result in minimal damage.



#### Laminated Tape Adhesive Strength

Brother<sup>™</sup> laminated tapes will adhere to almost any surface including: stainless steel, glass, PVC, acrylic, polypropylene, and polyester-coated wood. The tapes stand up to hot, cold, and humid conditions, and even adhere better when heated. Smooth, rough, flat or rounded surfaces are no problem for Brother<sup>™</sup> laminated tapes.



#### **Fade Resistance**

Brother<sup>™</sup> laminated tapes were attached to coated metal plates, and placed in a fade-inducing chamber at 83 degrees C for 100 hours to simulate a year in a sunny environment. Then they were placed in a chamber at 63 degrees C for 400 hours to simulate a year in, not only heat and light, but water as well. Only yellow tapes showed significant signs of fading while the others showed little sign of fading to the eye.



#### Dielectric Strength

In tests performed by Brother<sup>™</sup>, white P-touch<sup>®</sup> tapes with black characters began to lose their electric resistance at an applied voltage of 8kv, and lost their resistance entirely at 11kv. Most other color variations will have the same resistance.



# Brother™ Tape Technology

### **UL recognized Brother tapes**



Brother™ has been given license to use this UL mark on the Brother™ tapes that have been tested and certified to become a UL recognized component under the UL-969 standard, Marking and Labeling Systems (ISBN 1-55989-895-X) categories PGJI2 and PGJI8. There are four categories under this standard:

- Marking and Labeling System Materials (PGGU2, PGGU8) – Individual label components (i.e. label stocks, laminating adhesives and overlaminates)
- Marking and Labeling Systems (PGDQ2, PGDQ8) – Finished systems that are supplied to end-product manufacturers that typically employ PGGU2 materials
- Printing Materials (PGJI2, PGJI8) Pre-printed or unprinted systems that have been evaluated for additional printing by end-product manufacturers using thermal transfer or laser printing techniques
- Limited Use Marking and Labeling Systems (PGIS2) – Labels used in Cabinet and Box (UL50) applications and cord tags (flag type labels)

The suffix "2" indicates the recognition is established in accordance with UL requirements and the suffix "8" is with CSA requirements.

All material components that are used to print a label, including the printing process must be tested. UL also checks for quality control back to the material components supplier.

In simple terms, Brother™ defined the performance properties of specific tapes by part number, and UL certifies (tests) these tapes meet these properties and the results are published on the UL Website. An engineer or designer will then search for labels with properties that meet their specifications. The following Brother™ tapes are UL recognized:

- Standard Adhesive HGe Tapes
- Extra-Strength Adhesive TZe and HGe Tapes
- Flexible ID TZe Tapes
- Tamper-Evident TZe Tapes

To see the listings, visit the UL Website at www.ul.com and search the Online Certifications Directory for "MH21016" under the UL File Number.



# **Brother tapes**

Extra-Strength Adhesive Tapes - Spees bulk packaging (esquestion use on pastos, leatured and hard to stock surfaces  BLACK ON WHITE			6mm	9mm	rent P-touch® label printe	18mm	24mm	36mm
BLACK ON WHITE  BLACK ON WHITE  BLACK ON WELLOW  \$1.			(0.23in)	(0.35in)	(0.47in)	(0.7in)	(0.94in)	(1.4in)
BLACK ON WHITE   STEED   STATE   STATE	Extra-Strength Adhesive		iece bulk packaging, o	designed for use on plas	stics, textured and hard to	stick surfaces		
BLACK ON MATTE SILVER  BLACK ON CLEAR  BLACK ON CLEAR  BLACK ON WHITE  BLACK ON WHITE  BLACK ON YELLOW  BLACK ON YELLOW  BLACK ON WHITE  BLACK	BLACK ON WHITE		HGeS2115PK	HGeS2215PK	HGeS2315PK	HGeS2415PK	HGeS2515PK	HGeS2615P
BLACK ON CLEAR  STAIN HOSTSTRIK HOST	BLACK ON YELLOW			HGeS6215PK	HGeS6315PK	HGeS6415PK	HGeS6515PK	HGeS6615P
Standard Adhesive Tapes - General purpose applications  BLACK ON WHITE   731   Horz215PK	BLACK ON MATTE SILVER					HGeS9415PK	HGeS9515PK	HGeS9615P
BLACK ON WHITE  BLACK ON YELLOW  TZe tapes feature the same laminated structure and durability of HGe tapes, but without the faster print speeds and higher resolution of up to 360 X 720 dpi offered by HGe to Tze tapes are compatible with the PF-7100, PF-7500, PF-7600, PF-180KT, PF-9700PC and PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7500, PF-7600, PF-180KT, PF-9700PC and PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7500, PF-7600, PF-180KT, PF-9700PC and PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7500, PF-7600, PF-180KT, PF-9700PC and PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7500, PF-7600, PF-180KT, PF-9700PC and PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7600, PF-7600, PF-7600, PF-7600, PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7600, PF-7600, PF-7600, PF-7600, PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7600, PF-7600, PF-7600, PF-7600, PF-9000PCM, as well as all other P-touch* and P-touch EDGE** Tze compatible with the PF-7100, PF-7600, PF-76	BLACK ON CLEAR	c <b>91</b> 2 us		HGeS1215PK	HGeS1315PK	HGeS1415PK	HGeS1515PK	
TZe tapes feature the same laminated structure and durability of H6s tapes, but without the faster print speeds and higher resolution of up to 360 X 720 dpi offisred by H6s tapes are compatible with the PT-7100, PT-7500, PT-7600, PT-18FKT, PT-9700PC and PT-9800PCN, as well as all other P-touch® and P-bouch EDG® TZe compatible (0.034in) (0.35in) (0.35in) (0.35in) (0.37in) (0.07in) (0.94in) (1.4in) (1.4in	Standard Adhesive Tape		rpose applications					
Tze tapes feature the same laminated structure and durability of HGe tapes, but without the faster print speeds and higher resolution of up to 360 X 720 dpi offered by HGe tapes are competible with the PF-7100, PF-7500, PF-18PKT, PF-9700PC and PF-9800PCN, as well as all other P-touch* and P-touch* EDEC* Tze competible (0.35in)	BLACK ON WHITE			HGe2215PK	HGe2315PK	HGe2415PK	HGe2515PK	
The tapes are compatible with the PT-7100, PT-7500, PT-7500, PT-7600, PT-7600, PT-8600, PT-86	BLACK ON YELLOW	c <b>911</b> ° us				HGe6415PK	HGe6515PK	
(0.23in) (0.35in) (0.47in) (0.7in) (0.94in) (1.4ii ible ID Tapes- individual tapes designed for wrasping around and adhesive-to-adhesive flag labels  BLACK ON WHITE								
BLACK ON WHITE  BLACK ON WHITE  CAN US  BLACK ON YELLOW  CAN US  BLACK ON WHITE  CAN US  BLACK ON WHITE  CAN US  BLACK ON WHITE  CAN US  CAN US  BLACK ON WHITE  CAN US  CAN US  BLACK ON WHITE  CAN US  CAN U	2E							36mm (1.4in)
BLACK ON YELLOW  - **Nus*  BLACK ON WHITE  - **Nus*    TZeS211   TZeS221   TZeS231   TZeS241   TZeS251   TZES151   T	ible ID Tapes- Individual tape	es designed for	wrapping around and	d adhesive-to-adhesive	flag labels			
### Part	BLACK ON WHITE	c <b>71</b> 2° us			TZeFX231	TZeFX241	TZeFX251	TZeFX261
BLACK ON WHITE	BLACK ON YELLOW	c <b>91</b> 2° us			TZeFX631		TZeFX651	
BLACK ON YELLOW  SAL us  TZeS121  BLACK ON YELLOW  SAL us  TZeS621  TZES631  TZES631  TZES641  TZES651  TZES951  TZES55  TZES651  TZES651  TZES651  TZES56  TZ	a-Strength Adhesive Tap	es- Individual	tapes designed for pl	astics and textured sur	faces			
BLACK ON CLEAR  C. MANUS  BLACK ON YELLOW  C. MANUS  BLACK ON YELLOW  C. MANUS  BLACK ON YELLOW  C. MANUS  BLACK ON MATTE SILVER  C. MANUS  BLACK ON MATTE SILVER  C. MANUS  BLACK ON WHITE  BLACK ON WHITE  BLACK ON WHITE  BLACK ON WHITE  BLACK ON RED  BLACK ON RED  BLACK ON RELLOW  BLACK ON RELLOW  BLACK ON BLUE  BLACK ON WHITE  BLACK ON WH	BLACK ON WHITE	c <b>FM</b> us	TZeS211	TZeS221	TZeS231	TZeS241	TZeS251	TZeS261
BLACK ON YELLOW  CAN US  TZeS621  TZeS631  TZeS641  TZeS641  TZeS651  TZeS661  TZe211  TZe211  TZe211  TZe121  TZe121  TZe131  TZe141  TZe141  TZe151  TZe161  BLACK ON RED  TZe661  TZe	BLACK ON CLEAR			TZeS121	TZeS131	TZeS141	TZeS151	
BLACK ON MATTE SILVER  CREATER SILVER  TZeS941  TZeS941  TZe241  TZe241  TZe241  TZe241  TZe251  TZe265  TZe266  TZe111  TZe121  TZe121  TZe131  TZe131  TZe141  TZe141  TZe151  TZe166  TZe441  TZe451  TZe661  TZe674  BLACK ON GREEN  BLACK ON BLUE  BLACK ON FL. ORANGE  WHITE ON BLACK  TZE315  TZe325  TZe335  TZe345  TZe345  TZe345  TZe355  TZe345  TZe345  TZe345  TZe242  TZe242  TZe242  TZe243  GOLD ON BLACK  TZe334  TZe334  TZe334  TZe354  TZe354  TZe354	BLACK ON YELLOW			TZeS621	TZeS631	TZeS641	TZeS651	TZeS661
BLACK ON MATTE SILVER    Idard Adhesive Tapes- Individual tapes designed for use on smooth and flat surfaces    BLACK ON WHITE	WHITE ON GLEAR				TZeS135			
BLACK ON WHITE    TZe211   TZe221   TZe231   TZe241   TZe251   TZe251   TZe265     BLACK ON CLEAR   TZe111   TZe121   TZe131   TZe141   TZe151   TZe166     BLACK ON RED   TZe421   TZe441   TZe451   TZe451     BLACK ON YELLOW   TZe631   TZe641   TZe651   TZe66     BLACK ON GREEN   TZe741     BLACK ON BLUE   TZe541     BLACK ON FL. ORANGE   TZe541   TZe841   TZe551     WHITE ON BLACK   TZe315   TZe325   TZe335   TZe345   TZe355     WHITE ON WHITE   TZe232   TZe242   TZe252     BLUE ON WHITE   TZe234   TZe344   TZe354     GOLD ON BLACK   TZe354   TZe334   TZe344   TZe354     PPEF EVIDENT TAPES - Individual tapes designed to reveal a security pattern when the label is removed or disturbed     BLACK ON WHITE   PROVIDENT TZESE4   TZe554   TZe554     TZe54   TZe54   TZe554   TZe554     TZe554   TZe554   TZe554   TZe554   TZe554     TZe566   TZe676   TZE677   TZE677   TZE677   TZE777   TZ	BLACK ON MATTE SILVER					TZeS941	TZeS951	TZeS961
BLACK ON WHITE    TZe211   TZe221   TZe231   TZe241   TZe251   TZe251   TZe265     BLACK ON CLEAR   TZe111   TZe121   TZe131   TZe141   TZe151   TZe166     BLACK ON RED   TZe421   TZe441   TZe451   TZe451     BLACK ON YELLOW   TZe631   TZe641   TZe651   TZe66     BLACK ON GREEN   TZe741     BLACK ON BLUE   TZe541     BLACK ON FL. ORANGE   TZe541   TZe541     BLACK ON FL. ORANGE   TZe315   TZe325   TZe335   TZe345   TZe355     WHITE ON BLACK   TZe315   TZe325   TZe335   TZe145     RED ON WHITE   TZe232   TZe242   TZe252     BLUE ON WHITE   TZe334   TZe344   TZe354     SPECIAL ON BLACK   TZE354   TZE354   TZE354     SPECIAL ON BLACK   TZE344   TZE354     SPECIAL ON WHITE   TZE348   TZE354     SPECIAL ON WHITE   TZE348   TZE354     SPECIAL ON WHITE   TZE354     SPECIAL ON WHITE   TZE354	ndard Adhesive Tanes- Inc	dividual tanes di	esigned for use on sr	nooth and flat surfaces				
BLACK ON CLEAR  TZe111  TZe121  TZe121  TZe131  TZe141  TZe451  TZe451  BLACK ON FED  BLACK ON YELLOW  BLACK ON GREEN  BLACK ON BLUE  BLACK ON FL. ORANGE  WHITE ON BLACK  TZe315  TZe325  TZe325  TZe335  TZe335  TZe345  TZe345  TZe355  TZe355  TZe145  RED ON WHITE  TZe232  TZe242  TZe242  TZe252  BLUE ON WHITE  TZe243  GOLD ON BLACK  TZe354  TZe354  TZe354  TZe354  TZe354  TZe354	<u> </u>	imadar tapoo de	· ·			T7e241	T7e251	T7e261
BLACK ON RED  BLACK ON YELLOW  BLACK ON GREEN  BLACK ON BLUE  BLACK ON FL. ORANGE  WHITE ON BLACK  RED ON WHITE  BLUE ON WHITE  GOLD ON BLACK  TZe315  TZe325  TZe335  TZe335  TZe345  TZe325  TZe325  TZe325  TZe232  TZe242  TZe242  TZe243  GOLD ON BLACK  TZe334  TZe334  TZe344  TZe354  TZe354								
BLACK ON YELLOW  BLACK ON GREEN  BLACK ON BLUE  BLACK ON FL. ORANGE  WHITE ON BLACK  TZe315  TZe325  TZe335  TZe335  TZe345  TZe355  TZe355  TZe135  TZe135  TZe232  TZe242  TZe242  TZe243  GOLD ON BLACK  TZe354  TZe354  TZe354  TZe354  TZe354  TZe355  TZe356  TZe242  TZe242  TZe252  TZe243  TZe354  TZe354  TZe354  TZe354  TZe354  TZe354			120111		120101			120101
BLACK ON BLUE  BLACK ON FL. ORANGE  WHITE ON BLACK  TZe315  TZe325  TZe335  TZe335  TZe345  TZe355  TZe355  TZe135  TZe135  TZe135  TZe145  RED ON WHITE  BLUE ON WHITE  BLUE ON WHITE  TZe232  TZe242  TZe243  GOLD ON BLACK  TZe344  TZe354  TZe354  TZe355  TZe242  TZe242  TZe252  BLUE ON WHITE  TZe233  TZe243  TZe344  TZe354  TZe354  TZe354  TZe354  TZe354		_		120421	T7e631			T7e661
BLACK ON BLUE  BLACK ON FL. ORANGE  WHITE ON BLACK  TZe315  TZe325  TZe335  TZe335  TZe345  TZe355  TZe135  TZe145  RED ON WHITE  BLUE ON WHITE  BLUE ON WHITE  TZe232  TZe242  TZe242  TZe243  GOLD ON BLACK  TZe344  TZe354  TZe354  TZe355  TZe242  TZe252  TZe242  TZe252  TZe243  TZe243  TZe344  TZe354		_			120001		120001	120001
BLACK ON FL. ORANGE  WHITE ON BLACK  TZe315  TZe325  TZe335  TZe345  TZe355  TZe145  RED ON WHITE  TZe232  TZe242  TZe242  TZe243  GOLD ON BLACK  TZe356  TZe355  TZe355  TZe355  TZe355  TZe355  TZe355  TZe355  TZe355  TZe355  TZe356  TZe326  TZe242  TZe242  TZe252  TZe243  GOLD ON BLACK  TZe334  TZe344  TZe354  TZe354  TZe354  TZe356  TZe252  TZe243  TZe243  TZe243  TZe344  TZe354  TZe354								
WHITE ON BLACK TZe315 TZe325 TZe335 TZe345 TZe145  RED ON WHITE TZe232 TZe242 TZe242 TZe252 BLUE ON WHITE TZe243 GOLD ON BLACK TZe34 TZe354 TZe354 TZe355 TZe355 TZe355 TZe355 TZe355 TZe355 TZe355 TZe355 TZe355 TZe326 TZe242 TZe252 TZe243 TZe243 TZe344 TZe354  Per Evident Tapes - Individual tapes designed to reveal a security pattern when the label is removed or disturbed  BLACK ON WHITE  ### Company of the c							T7R510	
TZe135 TZe145  RED ON WHITE  BLUE ON WHITE  BLUE ON WHITE  GOLD ON BLACK  TZe334  TZe344  TZe354  TZe354  TZe354  TZe354  TZe354  TZe354  TZe854	BLACK ON BLUE		T7-015	T7-005	T7-005			
RED ON WHITE  BLUE ON WHITE  GOLD ON BLACK  TZe232  TZe243  TZe243  TZe344  TZe354  TZe354  TZe354  TZe364  TZe364  TZe364  TZe374  TZe384  TZe384  TZe384  TZe384	BLACK ON BLUE BLACK ON FL. ORANGE		126312	126325			128355	
BLUE ON WHITE  GOLD ON BLACK  TZe334  TZe344  TZe354  TZe354  TZe354  TZeSE4	BLACK ON BLUE BLACK ON FL. ORANGE WHITE ON BLACK				12e135		T7-050	
GOLD ON BLACK  TZe334  TZe344  TZe354  TZe354  TZe354  TZe354  TZe354  TZeSE4	BLACK ON BLUE BLACK ON FL. ORANGE WHITE ON BLACK WHITE ON GLEAR				T7-000		1/0/26/2	
per Evident Tapes - Individual tapes designed to reveal a security pattern when the label is removed or disturbed  BLACK ON WHITE  TZeSE4	BLACK ON BLUE BLACK ON FL. ORANGE WHITE ON BLACK WHITE ON GLEAR RED ON WHITE				TZe232		126232	
BLACK ON WHITE CALUS TZESE4	BLACK ON BLUE BLACK ON FL. ORANGE WHITE ON BLACK WHITE ON GLEAR RED ON WHITE BLUE ON WHITE					TZe243		
	BLACK ON BLUE BLACK ON FL. ORANGE WHITE ON BLACK WHITE ON GLEAR RED ON WHITE BLUE ON WHITE					TZe243		
t Head Cleaning Tapes - Maintains and restores print quality - Approx. 100 uses per tape	BLACK ON BLUE BLACK ON FL. ORANGE WHITE ON BLACK WHITE ON CLEAR RED ON WHITE BLUE ON WHITE GOLD ON BLACK	ual tapes desig	ned to reveal a secur	ity pattern when the la	TZe334	TZe243 TZe344		c
	BLACK ON BLUE BLACK ON FL. ORANGE WHITE ON BLACK WHITE ON GUEAR RED ON WHITE BLUE ON WHITE GOLD ON BLACK  THE EVIDENT TAPES - INDIVID	`	ned to reveal a secur	ity pattern when the la	TZe334	TZe243 TZe344 Ded		٠

### **BROTHER MOBILE SOLUTIONS, INC.**

STe141

STe151

For more information, call 1-800-543-6144, or visit www.brothermobilesolutions.com

Stencil Tapes - Non-adhesive tape designed to mask ink or special fluids for direct part marking



STENCIL TAPE