Brother™ Tape Technology

HGe TAPE

TZe TAPE

HSe TUBE
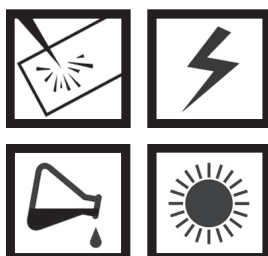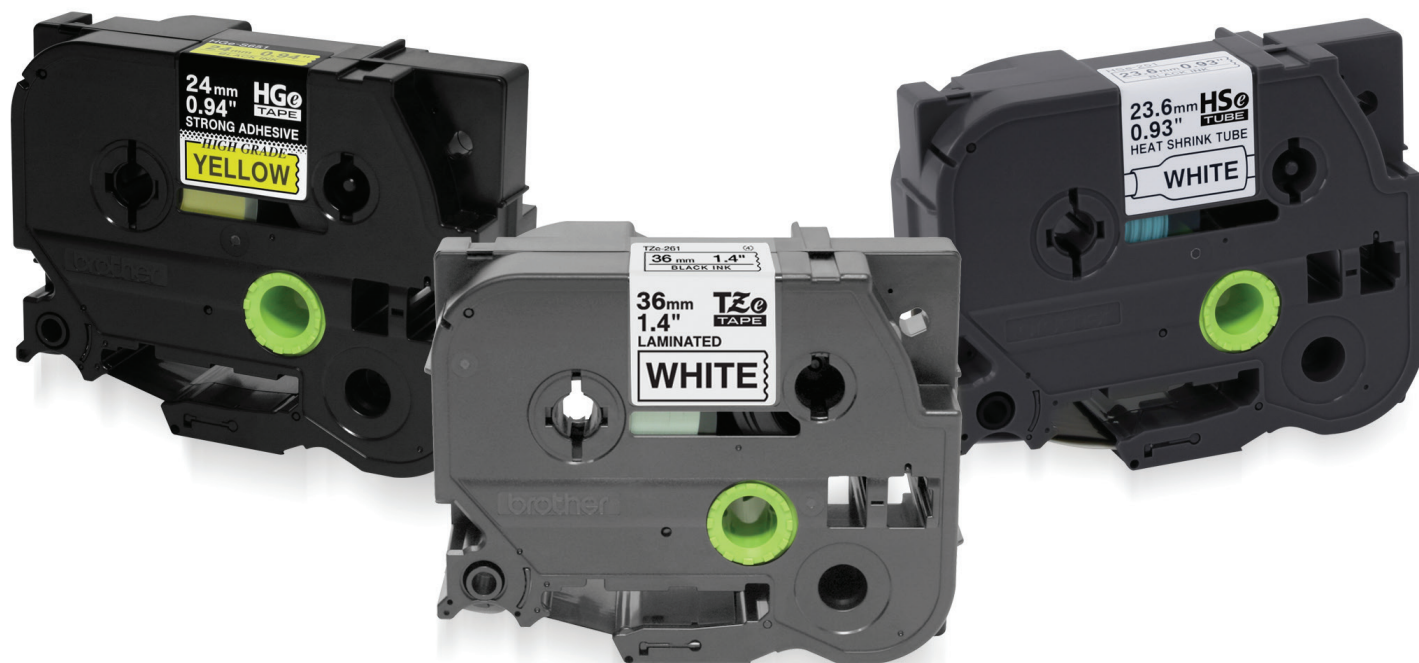
- **Abrasion Resistant**
- **Chemical Resistant**
- **UV Resistant**
- **Dielectric Strength**

brother
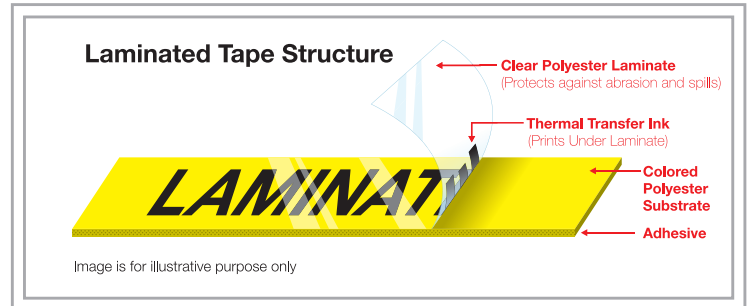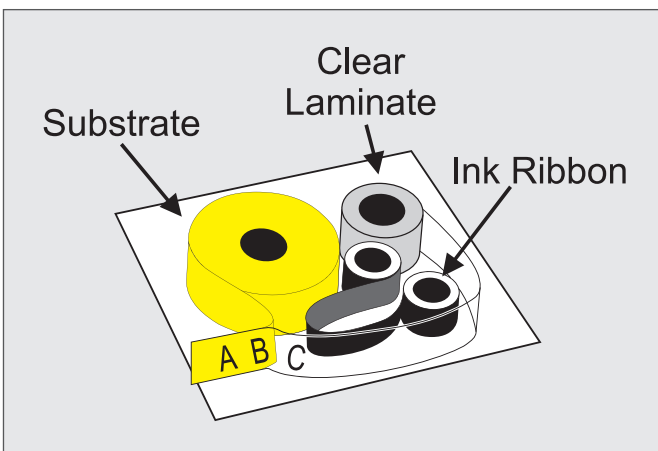at your side

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**

Laminated Tape Structure

Clear Polyester Laminate
(Protects against abrasion and spills)

Thermal Transfer Ink
(Prints Under Laminate)

Colored Polyester Substrate

Adhesive

Image is for illustrative purpose only

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 – the tape to take if you can only carry one

- **Tamper-Evident** – Designed with a special face stock that breaks apart if the laminated label is disturbed or removed

STANDARD & EXTRA STRENGTH ADHESIVE

STANDARD ADHESIVE

EXTRA STRENGTH ADHESIVE

SMOOTH SURFACE

TEXTURED SURFACE

TEXTURED SURFACE

Tape durability test results

Brother™ used an independent laboratory in Japan to conduct durability testing on all Brother™ 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™ 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™ 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™ laminated tapes.

Fade Resistance
Brother™ 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™, white P-touch® 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.

UL recognized 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:

1. **Marking and Labeling System Materials (PGGU2, PGGU8)** – Individual label components (i.e. label stocks, laminating adhesives and overlaminates)

2. **Marking and Labeling Systems (PGDQ2, PGDQ8)** – Finished systems that are supplied to end-product manufacturers that typically employ PGGU2 materials

3. **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

4. **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.

Choose the Right Tape for the Right Job.

P-touch EDGE

1/4" (6mm) · 3/8" (9mm) · 1/2" (12mm) · 3/4" (18mm) · 1" (24mm)

	Cables/Wires	Faceplates	Patch Panels (Smooth)	Patch Panels (Textured)
Flexible ID Tape	✓	✓	✓	
Standard Adhesive Tape		✓	✓	
Extra-Strength Adhesive Tape		✓	✓	✓
Tamper-Evident		✓	✓	

HGe TAPE

HGe tape is a new tape designed for commercial and industrial labeling applications, specifically for the model PT-9700PC and PT-9800PCN to print laminated labels up to 8 times faster than any current P-touch® label printer.

		6mm (0.23in)	9mm (0.35in)	12mm (0.47in)	18mm (0.7in)	24mm (0.94in)	36mm (1.4in)
HGe Extra-Strength Adhesive Tapes - 5 piece bulk packaging, designed for use on plastics, textured and hard to stick surfaces							
BLACK ON WHITE	cULus	HGeS2115PK	HGeS2215PK	HGeS2315PK	HGeS2415PK	HGeS2515PK	HGeS2615PK
BLACK ON YELLOW	cULus		HGeS6215PK	HGeS6315PK	HGeS6415PK	HGeS6515PK	HGeS6615PK
BLACK ON MATTE SILVER	cULus				HGeS9415PK	HGeS9515PK	HGeS9615PK
BLACK ON CLEAR	cULus		HGeS1215PK	HGeS1315PK	HGeS1415PK	HGeS1515PK	
HGe Standard Adhesive Tapes - General purpose applications							
BLACK ON WHITE	cULus		HGe2215PK	HGe2315PK	HGe2415PK	HGe2515PK	
BLACK ON YELLOW	cULus				HGe6415PK	HGe6515PK	

TZe TAPE

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. TZe tapes are compatible with the PT-7100, PT-7500, PT-7600, PT-18RKT, PT-9700PC and PT-9800PCN, as well as all other P-touch® and P-touch EDGE® TZe compatible labelers.

		6mm (0.23in)	9mm (0.35in)	12mm (0.47in)	18mm (0.7in)	24mm (0.94in)	36mm (1.4in)
Flexible ID Tapes- Individual tapes designed for wrapping around and adhesive-to-adhesive flag labels							
BLACK ON WHITE	cULus			TZeFX231	TZeFX241	TZeFX251	TZeFX261
BLACK ON YELLOW				TZeFX631		TZeFX651	
Extra-Strength Adhesive Tapes- Individual tapes designed for plastics and textured surfaces							
BLACK ON WHITE	cULus	TZeS211	TZeS221	TZeS231	TZeS241	TZeS251	TZeS261
BLACK ON CLEAR			TZeS121	TZeS131	TZeS141	TZeS151	
BLACK ON YELLOW	cULus		TZeS621	TZeS631	TZeS641	TZeS651	TZeS661
WHITE ON CLEAR	cULus			TZeS135			
BLACK ON MATTE SILVER	cULus				TZeS941	TZeS951	TZeS961
Standard Adhesive Tapes- Individual tapes designed for use on smooth and flat surfaces							
BLACK ON WHITE		TZe211	TZe221	TZe231	TZe241	TZe251	TZe261
BLACK ON CLEAR		TZe111	TZe121	TZe131	TZe141	TZe151	TZe161
BLACK ON RED			TZe421		TZe441	TZe451	
BLACK ON YELLOW				TZe631	TZe641	TZe651	TZe661
BLACK ON GREEN					TZe741		
BLACK ON BLUE					TZe541		
BLACK ON FL. ORANGE					TZeB41◡	TZB51◡	
WHITE ON BLACK		TZe315	TZe325	TZe335	TZe345	TZe355	
WHITE ON CLEAR				TZe135	TZe145		
WHITE ON BLUE					TZe545		
RED ON WHITE				TZe232	TZe242	TZe252	
BLUE ON WHITE					TZe243		
GOLD ON BLACK				TZe334	TZe344	TZe354	

◡5m long

		6mm	9mm	12mm	18mm	24mm	36mm
Tamper Evident Tapes - Individual tapes designed to reveal a security pattern when the label is removed or disturbed							
BLACK ON WHITE	cULus					TZeSE4	
Print Head Cleaning Tapes - Maintains and restores print quality - Approx. 100 uses per tape							
PRINT HEAD CLEANING TAPES						TZeCL4	TZeCL6
Stencil Tapes - Non-adhesive tape designed to mask ink or special fluids for direct part marking							
BLACK ON WHITE					TSe141	STe151	

HSe TUBE

Only for PT-E300, PT-E500, PT-E550W and PT-P750WVP, will not work in other models.
HSe tube is a printable heat shrink tubing designed for the model PT-E300, PT-E500, PT-E550W and PT-P750WVP handheld labeling tools to mark cables, fiber and wires.
WARNING: This product contains a chemical known to the State of California to cause cancer.

HEAT SHRINK TUBE WIDTH: RECOMMENDED FOR (OUTSIDE DIAMETER):		5.8mm (0.23in) 1.7-3.2mm (0.07-0.13in)	8.8mm (0.34in) 2.6-5.1mm (0.10-0.20in)	11.7mm (0.46in) 3.6-7.0mm (0.14-0.28in)	17.7mm (0.69in) 5.4-10.6mm (0.21-0.42in)	23.6mm (0.92in) 7.3-14.3mm (0.28-0.56in)
HSe Heat Shrink Tube - Individual heat shrink tube designed for the model PT-E300, PT-E500, PT-E550W and PT-P750WVP. 1.5m (4.9ft) long. 2:1 shrink ratio / 300V / 125℃ / VW-1						
BLACK ON WHITE	cULus	HSe211	HSe221	HSe231	HSe241	HSe251

BROTHER MOBILE SOLUTIONS, INC.

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

Brother™ is a trademark or registered trademark of Brother Industries, Ltd. in the United States.
All other trademarks and registered trademarks are the properties of their respective companies.
© 2015 Brother Mobile Solutions, Inc., 100 Technology Drive, Suite 250A, Broomfield, CO 80021

brother
at your side

BMS 06-2015 042 V3