

THT Print Ribbons



Thermal Transfer Print Ribbons (1.000" core, ink side out)

All Brady print ribbons are developed to meet the performance requirements of the materials printed. The combination of the ribbon and label material determine the success of the legend performance. Brady offers a complete line of ribbons that are designed to cover all your label application requirements.

The following ribbons are compatible with Brady printers:

- BradyPrinter i7100
- BBP®72 Sleeve Printer
- BBP®81 Label Printer
- PR-Plus Printer
- MVP Plus Series
- X+II Series Label Machine
- TAGUS™ Printer

Series Description	Catalog #	Size	Color
R4300 Wax/Resin Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability.	R4311	1.000" x 984'	Black
	R4306	1.570" x 984'	Black
	R4302	2.360" x 984'	Black
	R4300	3.270" x 984'	Black
	R4307	4.330" x 984'	Black
	R4304	5.120" x 984'	Black
	R4308	6.850" x 984'	Black
R4400 Resin High density, excellent solvent resistance, high heat resistance, super scratch resistance.	R4400-WT	2.360" x 984'	White
	R4402-WT	3.270" x 984'	White
	R4407-WT	4.330" x 984'	White
	R4404-WT	5.120" x 984'	White
	R4400-GR *	2.360" x 984'	Green
	R4402-GR *	3.270" x 984'	Green
	R4400-RD *	2.360" x 984'	Red
	R4402-RD *	3.270" x 984'	Red
	R4407-RD *	4.330" x 984'	Red
	R4400-BL *	2.360" x 984'	Blue
R4500 Wax/Resin Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability.	R4500-RD	2.360" x 984'	Red
	R4502-RD	3.270" x 984'	Red
	R4507-RD	4.330" x 984'	Red
	R4502-SV	3.270" x 984'	Silver
	R4500-BL	2.360" x 984'	Blue
	R4502-BL	3.270" x 984'	Blue
	R4507-BL	4.330" x 984'	Blue
R4700 Resin Use in conjunction with Brady's matte polyimide to eliminate the need to reflow or pre-bake labels prior to an inline or batch wash process	R4702	2.360" x 984'	Black
	R4706	1.570" x 984'	Black
	R4707	4.330" x 984'	Black
R4900 Resin Superb smear resistance at high temperatures. Superior solvent resistance.	R4902	2.360" x 984'	Black
	R4900	3.270" x 984'	Black
	R4908	6.850" x 984'	Black

Series Description	Catalog #	Size	Color
R6000 Resin Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance.	R6011	0.800" x 984'	Black
	R6006	1.570" x 984'	Black
	R6000	2.360" x 984'	Black
	R6002	3.270" x 984'	Black
	R6007	4.330" x 984'	Black
	R6004	5.120" x 984'	Black
	R6008	6.850" x 984'	Black
R6100 Wax/Resin Outstanding durability for a general purpose ribbon. Reduced print head energy requirements.	R6100	2.360" x 984'	Black
	R6102	3.270" x 984'	Black
	R6107	4.330" x 984'	Black
	R6104	5.120" x 984'	Black
R6200 Resin Designed for harsh environment labeling applications. Superior abrasion, chemical and heat resistance.	R6206	1.570" x 984'	Black
	R6200	2.360" x 984'	Black
	R6202	3.270" x 984'	Black
	R6207	4.330" x 984'	Black
R6400 Resin High density, excellent solvent resistance, high heat resistance, super scratch resistance.	R6406	1.570" x 984'	Black
	R6400	2.360" x 984'	Black
	R6402	3.270" x 984'	Black
	R6407	4.330" x 984'	Black
R6600 Resin Diesel resistant for printing on Brady PermaSleeve and Heatex Sleeves.	R6600	2.360" x 984'	Black
	R6602	3.270" x 984'	Black
	R6607	4.330" x 984'	Black
R6700 Wax/Resin High performance against scratching, smudging and harsh chemicals.	R6700-WT	2.360" x 984'	White
	R6702-WT	3.270" x 984'	White
	R6707-WT	4.330" x 984'	White
R6800 Resin Specialized white ribbon to be used on dark colored PermaSleeve HT markers.	R6800-WT	2.360" x 984'	White
	R6800-WT	3.270" x 984'	White
	R6807-WT	4.330" x 984'	White

* ⚠ **WARNING:** Reproductive Harm www.P65Warnings.ca.gov

Understanding ribbon parts:

R4313

Ribbon Series:
R4300 Series

Ribbon Dimension:
4.000" x 242'

Calculate how many labels per THT ribbon:

Standard THT ribbons are 984 ft long (unless otherwise noted).

Step 1: 984 feet = 11,808 inches

Step 2: 11,808 inches
÷ label vertical repeat
= total label rows per ribbon

Step 3: total label rows per ribbon
x number of labels across
= total labels per ribbon



i5100 and IP™ Thermal Transfer Print Ribbons (1.000" core, ink side out)

IP-Enabled print ribbons come spooled on a specially designed core.

The following ribbons are compatible with Brady printers:

- BradyPrinter i5100
- Brady IP Printer

Series Description	Catalog #	Size	Color
R4300 Wax/Resin Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability.	IP-R4306	1.570" x 984'	Black
	IP-R4302	2.360" x 984'	Black
	IP-R4300	3.270" x 984'	Black
	IP-R4307	4.330" x 984'	Black
R4400 Resin High density, excellent solvent resistance, high heat resistance, super scratch resistance.	IP-R4400-WT	2.360" x 984'	White
	IP-R4402-WT	3.270" x 984'	White
	IP-R4407-WT	4.330" x 984'	White
	IP-R4400-GR *	2.360" x 984'	Green
	IP-R4402-GR *	3.270" x 984'	Green
	IP-R4400-RD *	2.360" x 984'	Red
	IP-R4402-RD *	3.270" x 984'	Red
	IP-R4407-RD *	4.330" x 984'	Red
	IP-R4400-BL *	2.360" x 984'	Blue
	IP-R4402-BL *	3.270" x 984'	Blue
	IP-R4407-BL *	4.330" x 984'	Blue
R4500 Wax/Resin Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability.	IP-R4500-RD	2.360" x 984'	Red
	IP-R4502-RD	3.270" x 984'	Red
	IP-R4507-RD	4.330" x 984'	Red
	IP-R4502-SV	3.270" x 984'	Silver
	IP-R4500-BL	2.360" x 984'	Blue
	IP-R4502-BL	3.270" x 984'	Blue
R4900 Resin Superb smear resistance at high temps. Superior solvent resistance.	IP-R4902	2.360" x 984'	Black
	IP-R4900	3.270" x 984'	Black
R6000 Resin Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance.	IP-R6006	1.570" x 984'	Black
	IP-R6000	2.360" x 984'	Black
	IP-R6002	3.270" x 984'	Black
	IP-R6007	4.330" x 984'	Black

* ⚠ **WARNING:** Reproductive Harm www.P65Warnings.ca.gov

Series Description	Catalog #	Size	Color
R6100 Wax/Resin Outstanding durability for a general purpose ribbon. Reduced print head energy requirements.	IP-R6100	2.360" x 984'	Black
	IP-R6102	3.270" x 984'	Black
	IP-R6107	4.330" x 984'	Black
R6200 Resin Designed for harsh environment labeling applications. Superior abrasion, chemical and heat resistance.	IP-R6206	1.570" x 984'	Black
	IP-R6200	2.360" x 984'	Black
	IP-R6202	3.270" x 984'	Black
	IP-R6207	4.330" x 984'	Black
R6400 Resin High density, excellent solvent resistance, high heat resistance, super scratch resistance.	IP-R6406	1.570" x 984'	Black
	IP-R6400	2.360" x 984'	Black
	IP-R6402	3.270" x 984'	Black
	IP-R6407	4.330" x 984'	Black
R6600 Resin Diesel resistant for printing on Brady PermaSleeve and Heatex Sleeves.	IP-R6600	2.360" x 984'	Black
	IP-R6602	3.270" x 984'	Black
	IP-R6607	4.330" x 984'	Black
R6700 Wax/Resin High performance against scratching, smudging and harsh chemicals.	IP-R6700-WT	2.360" x 984'	White
	IP-R6702-WT	3.270" x 984'	White
	IP-R6707-WT	4.330" x 984'	White
R6800 Resin Specialized white ribbon to be used on dark colored PermaSleeve HT markers.	IP-R6800-WT	2.360" x 984'	White
	IP-R6800-WT	3.270" x 984'	White
	IP-R6807-WT	4.330" x 984'	White
108231	Non RFID-enabled ribbon core		
149562	Spare Brady ribbon take-up spindle		

Benchtop Printers

THT Models 1024, 1344 Print Ribbons (0.500" core, ink side in)

Series Description	Catalog #	Size	Color
R4300 Wax/Resin: Strong resistance against smearing and chemicals. A reliable, sharp-edge print quality to maximize readability.	R4301	4.000" x 360'	Black
R4900 Resin: Superb smear resistance at high temperatures. Superior solvent resistance.	R4901	4.000" x 360'	Black
R6000 Resin: Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance.	R6001	4.000" x 360'	Black
R6100 Wax/Resin: Outstanding durability for a general purpose ribbon. Reduced print head energy requirements.	R6101	4.000" x 360'	Black
R6200 Resin: Designed for harsh environment labeling applications. Superior abrasion, chemical and heat resistance.	R6201	4.000" x 360'	Black
R6400 Resin: High density, excellent solvent resistance, high heat resistance, super scratch resistance.	R6401	4.000" x 360'	Black

THT Models 4042, Intermec 3440 Print Ribbons (1.000" core, ink side out)

Series Description	Catalog #	Size	Color
R4300 Wax/Resin: Strong resistance against smearing and chemicals. A reliable, sharp-edge print quality to maximize readability.	R4303	1.570" x 500'	Black
	R4305	2.360" x 500'	Black
	R4309	3.270" x 500'	Black
R6000 Resin: Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance.	R6003	1.570" x 500'	Black
	R6005	2.360" x 500'	Black
	R6009	3.270" x 500'	Black
R6100 Wax/Resin: Outstanding durability for a general purpose ribbon. Reduced print head energy requirements.	R6109	3.270" x 500'	Black

Ribbons

THT Print Ribbons



Ribbon / Material Cross-Reference Guide

To ensure the best legend permanence, all ribbons have been developed to meet the requirements of the materials to be printed on. Use the guide below to determine which ribbon series is recommended with your print materials.

●	Recommended ribbon for use with respective material.
▲	Acceptable ribbon for use with respective material.
UL	Materials are UL recognized with its respective ribbon.
CSA	Materials are CSA approved with its respective ribbon.

B-#	Material	R4300 (Black)	R4400 (Colors)	R4500 (Colors)	R4700 (Black)	R4900 (Black)	R6000 (Black)	R6100 (Black)	R6200 (Black)	R6400 (Black)	R6600 (Black)	R6700 (White)	R6800 (White)
B-342	Polyolefin	●	–	● Silver	–	–	–	–	–	–	●	● White	–
B-344	Polyolefin	–	–	–	–	–	–	–	–	–	●	● White	–
B-345	Polyolefin	–	▲ White	–	–	–	●	–	–	–	▲	–	● White
B-350	Polyester/Paper	–	▲	–	–	● UL	▲	–	–	–	–	–	–
B-351	Vinyl	–	–	–	–	–	▲	–	●	–	–	–	–
B-362	Vinyl	–	–	–	–	–	● UL	–	–	–	–	–	–
B-390	Polypropylene	–	–	–	–	–	●	–	▲	–	–	–	–
B-402	Paper	▲	–	–	–	–	–	●	–	–	–	–	–
B-403	Paper	●	–	–	–	–	–	–	–	–	–	–	–
B-408	Paper	–	–	–	–	–	–	●	–	–	–	–	–
B-412	Polypropylene Tag	▲	–	–	–	–	–	–	●	–	–	–	–
B-413	Polyester	–	●	–	–	▲	● UL	–	▲ UL	–	–	–	–
B-422	Polyester	–	●	–	–	▲ UL	● UL/CSA	–	–	–	–	–	–
B-423	Polyester	–	●	–	–	▲ UL	● UL/CSA	–	▲	–	–	–	–
B-424	Paper	●	–	▲	–	–	–	▲	–	–	–	–	–
B-425	Polypropylene	● UL/CSA	–	●	–	–	–	–	● UL/CSA	● UL/CSA	–	–	–
B-427	Vinyl	● UL	–	▲	–	–	–	–	▲ UL	–	–	–	–
B-428	Polyester	● UL/CSA	–	–	–	–	–	–	▲ CSA	–	–	–	–
B-430	Polyester	–	▲	–	–	▲ UL	● UL/CSA	–	▲	–	–	–	–
B-432	Polyester	–	▲	–	–	▲ UL	● UL/CSA	–	▲	–	–	–	–
B-434	Polyester	–	–	–	–	● UL/CSA	● UL/CSA	–	–	–	–	–	–
B-435	Polyester	–	–	–	–	▲ UL	● UL/CSA	–	–	–	–	–	–
B-437	Polyvinylfluoride	●	–	–	–	–	–	–	●	–	–	–	–
B-438	Polyester	● UL/CSA	–	▲	–	–	–	–	–	–	–	–	–
B-439	Vinyl	–	▲ White	–	–	▲	●	–	–	–	–	–	–
B-449	Polyolefin	▲	–	–	–	–	–	–	●	–	–	–	–
B-459	Polyester	–	▲ UL	–	–	▲ UL/CSA	● UL/CSA	–	–	–	–	–	–
B-461	Polyester	●	–	●	–	–	–	–	▲	–	–	–	–
B-472	Polyimide	●	–	–	–	–	–	–	●	–	–	–	–
B-473	Polyester	–	–	–	–	▲ UL	● UL/CSA	–	–	–	–	–	–
B-480	Polyester	–	●	–	–	▲	● UL	–	▲ UL	–	–	–	–

Ribbon / Material Cross-Reference Guide (cont.)

●	Recommended ribbon for use with respective material.
▲	Acceptable ribbon for use with respective material.
UL	Materials are UL recognized with its respective ribbon.
CSA	Materials are CSA approved with its respective ribbon.

B-#	Material	R4300 (Black)	R4400 (Colors)	R4500 (Colors)	R4700 (Black)	R4900 (Black)	R6000 (Black)	R6100 (Black)	R6200 (Black)	R6400 (Black)	R6600 (Black)	R6700 (White)	R6800 (White)
B-481	Polyester	—	—	—	—	—	—	—	—	●	—	—	—
B-482	Polyester	—	—	—	—	—	—	—	—	●	—	—	—
B-483	Polyester	—	▲	—	—	▲ UL	● UL/CSA	—	—	—	—	—	—
B-484	Polyester	—	▲	—	—	▲ UL	● UL	—	—	—	—	—	—
B-486	Polyester	● UL/CSA	—	—	—	—	—	—	▲ CSA	—	—	—	—
B-488	Polyester	● UL/CSA	—	—	—	—	—	—	▲ UL/CSA	—	—	—	—
B-489	Polyester	● UL/CSA	—	—	—	—	—	—	▲ UL/CSA	—	—	—	—
B-490	Polyester	●	—	—	—	—	—	—	▲	—	—	—	—
B-492	Polyester	▲	—	—	—	—	—	—	—	●	—	—	—
B-498	Vinyl Cloth	▲ UL	—	—	—	—	▲	—	● UL	—	—	—	—
B-499	Nylon	▲ UL/CSA	—	▲	—	● UL/CSA	▲ UL	—	▲	—	—	—	—
B-508	Nomex® Tag	●	—	—	—	—	—	—	—	—	—	—	—
B-533	Polyester	—	●	—	—	●	●	—	▲	—	—	—	—
B-593	Polyester	—	● UL/White	—	—	—	● UL	—	—	—	—	—	—
B-717	Polyimide	—	—	—	—	—	● UL	—	—	—	—	—	—
B-718	Polyimide	—	—	—	—	—	● UL	—	—	—	—	—	—
B-719	Polyimide	—	—	—	●	—	● UL	—	—	—	—	—	—
B-724	Polyimide	●	—	—	●	—	—	—	—	—	—	—	—
B-727	Polyimide	—	—	—	●	—	● UL	—	—	—	—	—	—
B-728	Polyimide	—	—	—	●	—	● UL	—	—	—	—	—	—
B-729	Polyimide	—	—	—	●	—	● UL	—	—	—	—	—	—
B-776	Polyimide	—	—	—	—	—	● UL	—	—	—	—	—	—
B-7425	Polypropylene	▲	—	—	—	—	—	—	▲	●	—	—	—
B-7425-AC	Polypropylene	▲	—	—	—	—	—	—	▲	●	—	—	—
B-7546	Polyester	—	▲	—	—	—	● UL/CSA	—	—	—	—	—	—
B-7566	Polyester	—	●	—	—	—	●	—	—	—	—	—	—
B-7576	Polyester	—	▲	—	—	—	● UL	—	—	—	—	—	—
B-7641	Polyolefin	●	—	—	—	—	●	—	—	—	●	—	—
B-7642	Polyolefin	●	—	—	—	—	—	—	—	●	●	—	—
B-7643	Polyurethane	—	● White	—	—	▲	●	—	—	—	—	—	—
B-7646	Polyolefin	—	—	—	—	—	—	—	—	—	●	—	—
B-8117	Polyester	—	▲ White	—	—	—	—	—	—	—	—	—	●
B-8423	Polyester	—	▲	—	—	—	▲ UL/CSA	—	● UL/CSA	—	—	—	—
B-8425	Polypropylene	—	▲	—	—	—	● UL/CSA	—	—	—	—	—	—
B-8459	Polyester	—	—	—	—	●	●	—	—	—	—	—	—
B-8591	Polyester	—	● White, UL	—	—	—	—	—	—	—	● UL	—	—

Nomex® is registered trademark of DuPont.