Ribbon Information Guide

All Brady ribbons are developed to meet the performance requirements of the materials to be printed. The reason for this is that the bond between the ribbon and the label is critical to the success of the legend permanence. Brady offers a complete line of ribbons that are designed to cover all your label application requirements.

Please refer to Ribbon/Material Cross Reference Chart on the following page to determine the appropriate ribbon/material combination.

Ribbon Series	Formulation	Available Colors	Performance Characteristics
R4300	Wax/Resin	Black	Strong environmental resistance against smearing and chemicals. Also, reliable, sharp-edge print quality to maximize bar code readability.
R4400	Resin	Red, Blue, Green & White	High density, excellent solvent resistance, high heat resistance, super scratch resistance.
R4500	Wax/Resin	Red, Blue, Green & Silver	Strong environmental resistance against smearing and chemicals. Also, reliable, sharp-edge print quality to maximize bar code readability.
R4800	Resin	Black	Excellent solvent and scratch resistance. High heat resistance.
R4900	Resin	Black	Superb smear resistance at high temperatures. Superior solvent resistance.
R6000	Resin	Black	High density, excellent solvent resistance, high heat resistance, super scratch resistance.
R6100	Wax	Black	Outstanding durability for a general purpose ribbon. Reduced printhead energy requirements
R6200	Resin	Black	Designed for harsh environment labeling applications. Superior abrasion, chemical, and heat resistance.

Ribbon / Width Cross-Reference Guide

	Widths	Series 4300	Series 4400 * (colors)	Series 4500 * (colors)	Series 4800	Series 4900	Series 6000	Series 6100	Series 6200
	0.80" x 984'				R4811		R6011		R6211
	1.00" x 984'	R4311							
	1.57" x 984'	R4306			R4806		R6006 **		R6206
	2.36" x 984'	R4302	R4400	R4500	R4800	R4902	R6000	R6100	
	2.56" x 984'								R6200
	3.27" x 984'	R4300	R4402	R4502	R4802	R4900	R6002 **	R6102	R6202
A	3.74" x 984'								
	4.33" x 984'	R4307	R4407		R4807		R6007 **	R6107	R6207
	5.12" x 984'	R4304	R4404			R4904	R6004	R6104	
	6.85" x 984'	R4308				R4908	R6008		
B	4.0" x 360'	R4301				R4901	R6001	R6101	
	1.57" x 500'	R4303					R6003 **	R6103	
C	2.36" x 500'	R4305					R6005	R6105	
	4.33" x 500'	R4309					R6009 **	R6109	

A- Ribbons for standard Brady printers, core ID 1", ink side out
B- THT Model 1024, core ID 0.5", ink side in
C- Ribbons for THT Model 4042 and Intermec 3440 printers, core ID 1", ink side out

* The Series 4400 and 4500 ribbons are offered in the following colors: Red, Blue, Green, White (R4400 only) and Silver (R4500 only).

**The Series 6000 ribbons marked with double asterisks are available on fiber or plastic cores for clean room applications. (example: R6006 and R6006PC)

Ribbon/Material Cross-Reference Guide

B#'s	Material	Series 4300	Series 4400 (colors)	Series 4500 (colors)	Series 4600	Series 4800	Series 4900	Series 6000	Series 6100	Series 6200
109	Tag	●								△
341	PermaSleeve™	●								
342	PermaSleeve	●								
351	Vinyl	●								
352	Vinyl							●		
400	Vinyl	●					△			
402	Paper	△		△					●	
407	Polyolefin						△			● *UL/*CSA
408	Paper	△		△					●	
411	Tag	●								
412	Tag	△								●
422	Polyester		△				△ UL/CSA	● UL/CSA		△
423	Polyester		△				△ UL/CSA	● UL/CSA/AGA		△
424	Paper	●		△					△	
425	Polyolefin			△						● UL/CSA/AGA
426	Polyimide	●								
427	Vinyl	● UL		△						△ UL
428	Polyester	● UL/CSA/AGA	● AGA	△						△ CSA
430	Polyester		△				△ UL/CSA	● UL/CSA		△
432	Polyester		△				△ UL/CSA	● UL/CSA		△
433	Polyester		△				△ UL	●		△
434	Polyester					△ UL/CSA	△ UL/CSA	● UL/CSA		△
435	Polyester						△ UL	● UL/CSA/AGA		△
436	Polyimide	●								
437	Tedlar	●								△
438	Polyester	● UL		△						
439	Vinyl		△				△	●		△
449	Polyolefin									●
457	Polyimide							● UL		
459	Polyester		△ UL				△ UL/CSA	● UL/CSA		
464	Polyester							●		
473	Polyester						△ UL	● UL/CSA		△
477	Polyimide							● UL		
478	Polyimide							● UL		
479	Polyimide					△ UL		● UL		
483	Polyester		△				△ UL	●UL/CSA		△
486	Polyester	● UL/CSA		△						△ CSA
487	Polyimide					△ UL		● UL		
488	Polyester	● UL/CSA/AGA								△ UL/CSA
489	Polyester	● UL/CSA								△ UL/CSA
497	Polyimide					△ UL		● UL		
499	Nylon	△ UL		△			● UL	△		△
520	Glass Cloth				●					
7546	Polyester		△					● *UL/*CSA		
7576	Polyester		△					● *UL/*CSA		

●	Recommended ribbon for use with respective material.
△	Acceptable ribbon for use with respective material.
*UL	These materials are now in UL testing.
UL	These materials are UL recognized with its respective ribbon.
*CSA	These materials are now in CSA testing.
CSA	These materials are CSA approved with its respective ribbon.
UL/CSA	These materials are UL & CSA approved with its respective ribbon.
AGA	These materials are AGA approved.

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