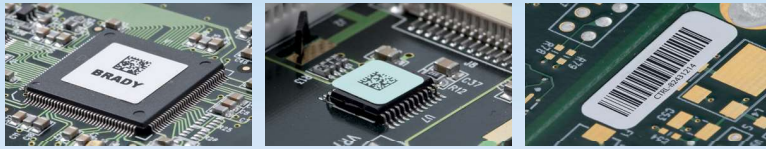


Circuit Board Materials



CIRCUIT BOARD IDENTIFICATION MATERIAL

Improve processes and reduce operating costs with clearly identified circuit boards.

Brady's circuit board material, or PCB labels, are polyimide labels that can withstand the high heats and powerful chemicals used in PCB manufacturing. Brady offers PCB labels in a variety of materials, including anti-static PCB labels and labels for auto-apply applications. These high-temperature circuit board materials can improve your processes and reduce operating costs by identifying your circuit boards throughout the entire PCB manufacturing process.



How to read an order reference: example THT-5-423-10

THT	-	1	-	724	-	10
Technology:		Label		Brady material		Quantity:
Thermal Transfer		size code		number (B-number)		Multiply by 1,000

Printer Compatibility

All circuit board parts shown on the following pages are compatible with the following printers unless otherwise stated.



BradyPrinter i7100

see page 134



Brady IP Printer

see page 132



BBP12 Label Printer

see page 106

76.20 mm Core Label Rolls are compatible when used with the unwinder.



B-473 ELECTROSTATIC DISSIPATIVE POLYESTER MATERIAL

Colour: White

Finish: Gloss

White polyester with glossy finish used for printed circuit board and electronic component post-process labelling. Surface resistivity values in the recommended range for dissipative ESD packing materials.

Performance Attributes:

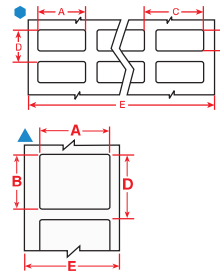


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-11-473-10	Static Dissipative Polyester	White	6.35	6.35	6.35	9.53	81.28	12	10000	R6000HF
●	THT-70-473-20	Static Dissipative Polyester	White	6.35	6.35	8.13	8.89	60.20	7	20000	R6000HF
●	THT-38-473-10	Static Dissipative Polyester	White	9.53	9.53	11.10	12.07	81.28	7	10000	R6000HF
●	THT-36-473-10	Static Dissipative Polyester	White	12.70	5.08	15.88	7.62	81.28	5	10000	R6000HF
▲	THT-97-473-10	Static Dissipative Polyester	White	12.70	5.08	—	7.62	17.78	1	10000	R6000HF
●	THT-96-473-10	Static Dissipative Polyester	White	12.70	6.99	15.24	9.53	63.50	4	10000	R6000HF
●	THT-12-473-10	Static Dissipative Polyester	White	12.70	11.10	16.81	13.64	85.09	5	10000	R6000HF
▲	THT-99-473-10	Static Dissipative Polyester	White	12.70	12.70	—	15.24	17.78	1	10000*	R6000HF
●	THT-14-473-10	Static Dissipative Polyester	White	16.51	5.08	17.78	7.62	74.93	4	10000	R6000HF
▲	THT-47-473-10	Static Dissipative Polyester	White	16.51	5.08	—	7.62	21.59	1	10000	R6000HF
●	THT-57-473-10	Static Dissipative Polyester	White	17.78	9.53	20.32	12.07	85.09	4	10000	R6000HF
●	THT-1-473-10	Static Dissipative Polyester	White	19.05	6.35	20.32	8.89	85.09	4	10000	R6000HF
▲	THT-46-473-10	Static Dissipative Polyester	White	19.05	6.35	—	8.89	24.13	1	10000	R6000HF
●	THT-2-473-10	Static Dissipative Polyester	White	22.86	6.35	28.58	8.89	85.09	3	10000	R6000HF
▲	THT-49-473-10	Static Dissipative Polyester	White	22.86	6.35	—	8.89	27.94	1	10000	R6000HF
●	THT-3-473-10	Static Dissipative Polyester	White	25.40	9.53	27.31	12.07	85.09	3	10000	R6000HF
▲	THT-58-473-10	Static Dissipative Polyester	White	25.40	9.53	—	12.07	30.48	1	10000	R6000HF
●	THT-5-473-10	Static Dissipative Polyester	White	25.40	12.70	27.31	15.24	85.09	3	10000	R6000HF
▲	THT-59-473-10	Static Dissipative Polyester	White	25.40	12.70	—	15.24	30.48	1	10000*	R6000HF
●	THT-13-473-10	Static Dissipative Polyester	White	31.75	6.35	33.02	9.53	69.85	2	10000	R6000HF
▲	THT-43-473-10	Static Dissipative Polyester	White	31.75	6.35	—	8.89	36.83	1	10000	R6000HF
●	THT-4-473-10	Static Dissipative Polyester	White	38.10	6.35	41.91	8.89	85.09	2	10000	R6000HF
▲	THT-45-473-10	Static Dissipative Polyester	White	38.10	6.35	—	8.89	43.18	1	10000	R6000HF
▲	THT-15-473-2.5	Static Dissipative Polyester	White	50.80	6.35	—	9.53	55.88	1	2500	R6000HF
▲	THT-48-473-10	Static Dissipative Polyester	White	50.80	6.35	—	8.89	55.88	1	10000	R6000HF

View the Material Brands & Attributes Guide on pages 8-11. Benchtop Printer Ribbons on page 219. Full Material Properties on page 228.

B-473 ELECTROSTATIC DISSIPATIVE POLYESTER MATERIAL (CONTINUED)

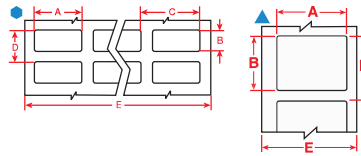


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-12-473-10	Static Dissipative Polyester	White	12,70	11,10	16,81	13,64	85,09	5	10000	R6000HF
▲	THT-99-473-10	Static Dissipative Polyester	White	12,70	12,70	—	15,24	17,78	1	10000*	R6000HF
●	THT-14-473-10	Static Dissipative Polyester	White	16,51	5,08	17,78	7,62	74,93	4	10000	R6000HF
▲	THT-47-473-10	Static Dissipative Polyester	White	16,51	5,08	—	7,62	21,59	1	10000	R6000HF
●	THT-57-473-10	Static Dissipative Polyester	White	17,78	9,53	20,32	12,07	85,09	4	10000	R6000HF
●	THT-1-473-10	Static Dissipative Polyester	White	19,05	6,35	20,32	8,89	85,09	4	10000	R6000HF
▲	THT-46-473-10	Static Dissipative Polyester	White	19,05	6,35	—	8,89	24,13	1	10000	R6000HF
●	THT-2-473-10	Static Dissipative Polyester	White	22,86	6,35	28,58	8,89	85,09	3	10000	R6000HF
▲	THT-49-473-10	Static Dissipative Polyester	White	22,86	6,35	—	8,89	27,94	1	10000	R6000HF
●	THT-3-473-10	Static Dissipative Polyester	White	25,40	9,53	27,31	12,07	85,09	3	10000	R6000HF
▲	THT-58-473-10	Static Dissipative Polyester	White	25,40	9,53	—	12,07	30,48	1	10000	R6000HF
●	THT-5-473-10	Static Dissipative Polyester	White	25,40	12,70	27,31	15,24	85,09	3	10000	R6000HF
▲	THT-59-473-10	Static Dissipative Polyester	White	25,40	12,70	—	15,24	30,48	1	10000*	R6000HF
●	THT-13-473-10	Static Dissipative Polyester	White	31,75	6,35	33,02	9,53	69,85	2	10000	R6000HF
▲	THT-43-473-10	Static Dissipative Polyester	White	31,75	6,35	—	8,89	36,83	1	10000	R6000HF
●	THT-4-473-10	Static Dissipative Polyester	White	38,10	6,35	41,91	8,89	85,09	2	10000	R6000HF
▲	THT-45-473-10	Static Dissipative Polyester	White	38,10	6,35	—	8,89	43,18	1	10000	R6000HF
▲	THT-15-473-2,5	Static Dissipative Polyester	White	50,80	6,35	—	9,53	55,88	1	2500	R6000HF
▲	THT-48-473-10	Static Dissipative Polyester	White	50,80	6,35	—	8,89	55,88	1	10000	R6000HF

*2 rolls of 5000 labels



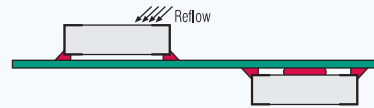
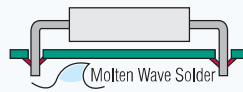
DID YOU KNOW? - CUSTOM LABEL OFFERINGS

Don't see a label in the size, configuration or colour needed for your particular application? Brady offers custom label capability for many of the materials in this catalogue. Contact your Brady distributor for more information and to order your custom labels.





THERMAL TRANSFER PRINTABLE PRODUCTS CIRCUIT BOARD PROCESS CHART



	Through Hole Technology		Surface Mount Technology (SMT)	After Process
	Top	Bottom	Top or Bottom	
B-717, B-718, B-719, B-724, B-727, B-728, B-729, B-776, B-730, B-777, B-7727, B-7634	Yes	Yes	Yes	Yes
B-422, B-423, B-428, B-435, B-438, B-459, B-473, B-488, B-498, B-533	Yes*	No	No	Yes

*In extreme high temperature, testing of this material is recommended



B-717 ELECTROSTATIC DISSIPATIVE POLYIMIDE MATERIAL

Colour: White

Finish: Gloss

White polyimide material with glossy finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals. Surface resistivity values in the recommended range for dissipative ESD packing materials.

Performance Attributes:

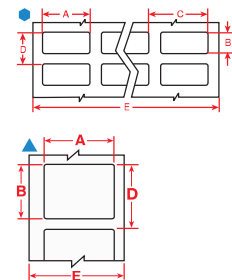


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-70-717-20	Polyimide	White	6.35	6.35	8.13	8.89	60.20	7	20000	R6000HF
●	THT-38-717-10	Polyimide	White	9.53	9.53	11.10	12.07	81.28	7	10000	R6000HF
▲	THT-97-717-10	Polyimide	White	12.70	5.08	—	7.62	17.78	1	10000	R6000HF
●	THT-96-717-10	Polyimide	White	12.70	6.99	15.24	9.53	63.50	4	10000	R6000HF
●	THT-12-717-10	Polyimide	White	12.70	11.10	16.81	13.64	85.09	5	10000	R6000HF
▲	THT-99-717-10	Polyimide	White	12.70	12.70	—	15.24	17.78	1	10000*	R6000HF
●	THT-14-717-10	Polyimide	White	16.51	5.08	17.78	7.62	74.93	4	10000	R6000HF
▲	THT-47-717-10	Polyimide	White	16.51	5.08	—	7.62	21.59	1	10000	R6000HF
●	THT-1-717-10	Polyimide	White	19.05	6.35	20.32	8.89	85.09	4	10000	R6000HF
▲	THT-46-717-10	Polyimide	White	19.05	6.35	—	8.89	24.13	1	10000	R6000HF
▲	THT-42-717-10	Polyimide	White	25.40	4.75	—	6.93	30.48	1	10000	R6000HF
▲	THT-103-717-10	Polyimide	White	25.40	6.35	—	8.89	30.48	1	10000	R6000HF
▲	THT-59-717-10	Polyimide	White	25.40	12.70	—	15.24	30.48	1	10000*	R6000HF
▲	THT-43-717-10	Polyimide	White	31.75	6.35	—	8.89	36.83	1	10000	R6000HF
▲	THT-44-717-10	Polyimide	White	34.93	6.35	—	8.89	40.64	1	10000	R6000HF
▲	THT-60-717-10	Polyimide	White	38.10	3.18	—	5.72	43.18	1	10000	R6000HF
▲	THT-45-717-10	Polyimide	White	38.10	6.35	—	8.89	43.18	1	10000	R6000HF
▲	THT-15-717-2.5	Polyimide	White	50.80	6.35	—	9.53	55.88	1	2500	R6000HF
▲	THT-48-717-10	Polyimide	White	50.80	6.35	—	8.89	55.88	1	10000	R6000HF

*2 rolls of 5000 labels

View the Material Brands & Attributes Guide on pages 8-11. Benchtop Printer Ribbons on page 219. Full Material Properties on page 228.

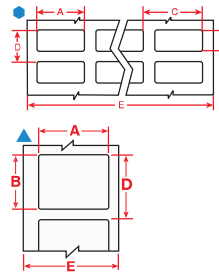


B-718 ELECTROSTATIC DISSIPATIVE POLYIMIDE MATERIAL

Colour: White

Finish: Gloss

White polyimide material, low profile (1 mil thickness), with glossy finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals. Surface resistivity values in the recommended range for dissipative ESD packing materials.

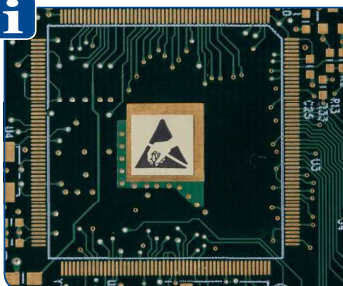


Performance Attributes:



Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-70-718-20	Polyimide	White	6.35	6.35	8.13	8.89	60.20	7	20000	R6000HF
●	THT-71-718-20	Polyimide	White	8.00	8.00	9.53	10.54	60.71	6	20000	R6000HF
●	THT-38-718-10	Polyimide	White	9.53	9.53	11.10	12.07	81.28	7	10000	R6000HF
▲	THT-97-718-10	Polyimide	White	12.70	5.08	—	7.62	17.78	1	10000	R6000HF
●	THT-12-718-10	Polyimide	White	12.70	11.10	16.81	13.64	85.09	5	10000	R6000HF
●	THT-14-718-10	Polyimide	White	16.51	5.08	17.78	7.62	74.93	4	10000	R6000HF
▲	THT-47-718-10	Polyimide	White	16.51	5.08	—	7.62	21.59	1	10000	R6000HF
●	THT-1-718-10	Polyimide	White	19.05	6.35	20.32	8.89	85.09	4	10000	R6000HF
▲	THT-46-718-10	Polyimide	White	19.05	6.35	—	8.89	24.13	1	10000	R6000HF
●	THT-2-718-10	Polyimide	White	22.86	6.35	28.58	8.89	85.09	3	10000	R6000HF
▲	THT-49-718-10	Polyimide	White	22.86	6.35	—	8.89	27.94	1	10000	R6000HF
▲	THT-42-718-10	Polyimide	White	25.40	4.75	—	6.93	30.48	1	10000	R6000HF
▲	THT-103-718-10	Polyimide	White	25.40	6.35	—	8.89	30.48	1	10000	R6000HF
●	THT-3-718-10	Polyimide	White	25.40	9.53	27.31	12.07	85.09	3	10000	R6000HF
▲	THT-58-718-10	Polyimide	White	25.40	9.53	—	12.07	30.48	1	10000	R6000HF
●	THT-5-718-10	Polyimide	White	25.40	12.70	27.31	15.24	85.09	3	10000	R6000HF
▲	THT-59-718-10	Polyimide	White	25.40	12.70	—	15.24	30.48	1	10000*	R6000HF
▲	THT-43-718-10	Polyimide	White	31.75	6.35	—	8.89	36.83	1	10000	R6000HF
●	THT-29-718-10	Polyimide	White	31.75	9.53	33.02	12.07	69.85	2	10000	R6000HF
▲	THT-44-718-10	Polyimide	White	34.93	6.35	—	8.89	40.00	1	10000	R6000HF
●	THT-4-718-10	Polyimide	White	38.10	6.35	41.91	8.89	85.09	2	10000	R6000HF
▲	THT-45-718-10	Polyimide	White	38.10	6.35	—	8.89	43.18	1	10000	R6000HF
▲	THT-72-718-10	Polyimide	White	44.45	6.35	—	8.89	49.53	1	10000	R6000HF
▲	THT-48-718-10	Polyimide	White	50.80	6.35	—	8.89	55.88	1	10000	R6000HF

*2 rolls of 5000 labels



DID YOU KNOW? ELECTROSTATIC DISSIPATIVE (ESD) LABELS

The adhesive on Brady's electrostatic dissipative labels, or ESD labels, meets the requirements of ANSI/ESD S20.20-2007 and ANSI/ESD S541-2008 standards. ESD labels are designed to protect the static-sensitive components of your circuit boards.

Available in a variety of types and sizes, Brady's ESD labels can help you reduce damages from static discharge, and keep your product cost down.



B-719 ELECTROSTATIC DISSIPATIVE POLYIMIDE MATERIAL

Colour: White

Finish: Matt

White polyimide material with matt finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals. Surface resistivity values in the recommended range for dissipative ESD packing materials.

Performance Attributes:

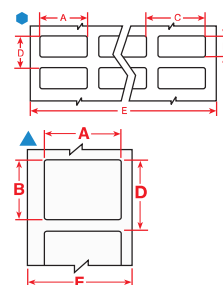
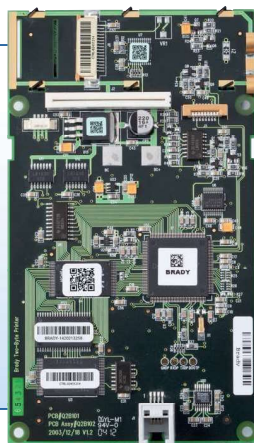


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-70-719-20	Polyimide	White	6,35	6,35	8,13	8,89	60,20	7	20000	R6000HF
●	THT-71-719-20	Polyimide	White	8,00	8,00	9,53	10,54	60,71	6	20000	R6000HF
●	THT-38-719-10	Polyimide	White	9,53	9,53	11,10	12,07	81,28	7	10000	R6000HF
●	THT-12-719-10	Polyimide	White	12,70	11,10	16,81	13,64	85,09	5	10000	R6000HF
▲	THT-99-719-10	Polyimide	White	12,70	12,70	—	15,24	17,78	1	10000*	R6000HF
●	THT-14-719-10	Polyimide	White	16,51	5,08	17,78	7,62	74,93	4	10000	R6000HF
▲	THT-47-719-10	Polyimide	White	16,51	5,08	—	7,62	21,59	1	10000	R6000HF
●	THT-1-719-10	Polyimide	White	19,05	6,35	20,32	8,89	85,09	4	10000	R6000HF
▲	THT-46-719-10	Polyimide	White	19,05	6,35	—	8,89	24,13	1	10000	R6000HF
●	THT-2-719-10	Polyimide	White	22,86	6,35	28,58	8,89	85,09	3	10000	R6000HF
▲	THT-49-719-10	Polyimide	White	22,86	6,35	—	8,89	27,94	1	10000	R6000HF
▲	THT-42-719-10	Polyimide	White	25,40	4,75	—	6,93	30,48	1	10000	R6000HF
▲	THT-103-719-10	Polyimide	White	25,40	6,35	—	8,89	30,48	1	10000	R6000HF
●	THT-3-719-10	Polyimide	White	25,40	9,53	27,31	12,07	85,09	3	10000	R6000HF
▲	THT-58-719-10	Polyimide	White	25,40	9,53	—	12,07	30,48	1	10000	R6000HF
●	THT-5-719-10	Polyimide	White	25,40	12,70	27,31	15,24	85,09	3	10000	R6000HF
▲	THT-59-719-10	Polyimide	White	25,40	12,70	—	15,24	30,48	1	10000*	R6000HF
▲	THT-43-719-10	Polyimide	White	31,75	6,35	—	8,89	36,83	1	10000	R6000HF
●	THT-29-719-10	Polyimide	White	31,75	9,53	33,02	12,07	69,85	2	10000	R6000HF
▲	THT-60-719-10	Polyimide	White	38,10	3,18	—	5,72	43,18	1	10000	R6000HF
▲	THT-45-719-10	Polyimide	White	38,10	6,35	—	8,89	43,18	1	10000	R6000HF
▲	THT-48-719-10	Polyimide	White	50,80	6,35	—	8,89	55,88	1	10000	R6000HF

*2 rolls of 5000 labels



DID YOU KNOW?

Brady teamed up with ZESTRON, Kyzen and market leaders in high precision cleaning process solutions, to conduct extensive chemical compatibility testing on Brady's line of polyimide labels, which are commonly used as printed circuit board (PCB) identification labels.

According to the test results, all Brady polyimide labels submitted can successfully withstand ZESTRON and Kyzen's latest cleaning chemicals – these test results are critically important to circuit board manufacturers, as they ensure that Brady polyimide labels will stay adhered and legible throughout the whole circuit board production process including in-line aqueous cleaning systems.

To view the complete test results, visit www.bradyeurope.com



B-724 POLYIMIDE MATERIAL

Colour: Amber

Finish: Matt

Amber polyimide material with matt finish an ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals.

Performance Attributes:

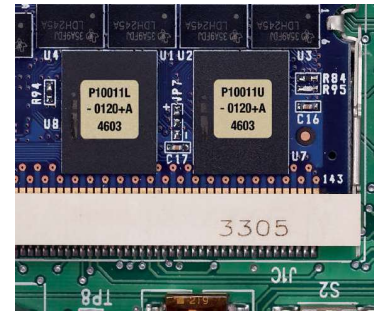
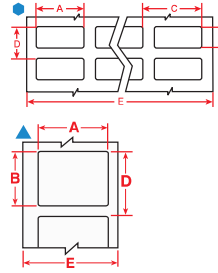


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-11-724-10	Polyimide	Amber	6.35	6.35	6.35	9.53	81.28	12	10000	R4300, R7950
●	THT-12-724-10	Polyimide	Amber	12.70	11.10	16.81	13.64	85.09	5	10000	R4300, R7950
●	THT-14-724-10	Polyimide	Amber	16.51	5.08	17.78	7.62	74.93	4	10000	R4300, R7950
●	THT-1-724-10	Polyimide	Amber	19.05	6.35	20.32	8.89	85.09	4	10000	R4300, R7950
▲	THT-46-724-10	Polyimide	Amber	19.05	6.35	—	8.89	24.13	1	10000	R4300, R7950
●	THT-2-724-10	Polyimide	Amber	22.86	6.35	28.58	8.89	85.09	3	10000	R4300, R7950
●	THT-51-724-10	Polyimide	Amber	25.40	6.35	27.31	9.53	85.09	3	10000	R4300, R7950
●	THT-3-724-10	Polyimide	Amber	25.40	9.53	27.31	12.07	85.09	3	10000	R4300, R7950
●	THT-5-724-10	Polyimide	Amber	25.40	12.70	27.31	15.24	85.09	3	10000	R4300, R7950
●	THT-28-724-10	Polyimide	Amber	38.10	3.18	41.91	6.35	85.09	2	10000	R4300, R7950
●	THT-4-724-10	Polyimide	Amber	38.10	6.35	41.91	8.89	85.09	2	10000	R4300, R7950
▲	THT-45-724-10	Polyimide	Amber	38.10	6.35	—	8.89	43.18	1	10000	R4300, R7950
▲	THT-16-724-2.5	Polyimide	Amber	76.20	6.35	—	9.53	81.28	1	2500	R4300, R7950



B-727 POLYIMIDE MATERIAL

Colour: White

Finish: Gloss

White polyimide material with glossy finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals.

Performance Attributes:

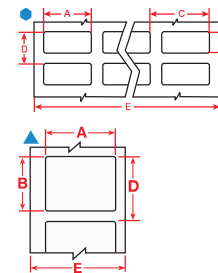


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-11-727-10	Polyimide	White	6.35	6.35	6.35	9.53	81.28	12	10000	R6000HF
●	THT-70-727-20	Polyimide	White	6.35	6.35	8.13	8.89	60.20	7	20000	R6000HF
●	THT-71-727-20	Polyimide	White	8.00	8.00	9.53	10.54	60.71	6	20000	R6000HF
●	THT-38-727-10	Polyimide	White	9.53	9.53	11.10	12.07	81.28	7	10000	R6000HF
●	THT-12-727-10	Polyimide	White	12.70	11.10	16.81	13.64	85.09	5	10000	R6000HF
●	THT-14-727-10	Polyimide	White	16.51	5.08	17.78	7.62	74.93	4	10000	R6000HF
▲	THT-47-727-10	Polyimide	White	16.51	5.08	—	7.62	21.59	1	10000	R6000HF
●	THT-1-727-10	Polyimide	White	19.05	6.35	20.32	8.89	85.09	4	10000	R6000HF
▲	THT-46-727-10	Polyimide	White	19.05	6.35	—	8.89	24.13	1	10000	R6000HF
●	THT-2-727-10	Polyimide	White	22.86	6.35	28.58	8.89	85.09	3	10000	R6000HF
▲	THT-49-727-10	Polyimide	White	22.86	6.35	—	8.89	27.94	1	10000	R6000HF
▲	THT-42-727-10	Polyimide	White	25.40	4.75	—	6.93	30.48	1	10000	R6000HF
▲	THT-103-727-10	Polyimide	White	25.40	6.35	—	8.89	30.48	1	10000	R6000HF
▲	THT-58-727-10	Polyimide	White	25.40	9.53	—	12.07	30.48	1	10000	R6000HF
▲	THT-59-727-10	Polyimide	White	25.40	12.70	—	15.24	30.48	1	10000*	R6000HF
▲	THT-43-727-10	Polyimide	White	31.75	6.35	—	8.89	36.83	1	10000	R6000HF
●	THT-13-727-10	Polyimide	White	31.75	6.35	33.02	9.53	69.85	2	10000	R6000HF
▲	THT-44-727-10	Polyimide	White	34.93	6.35	—	8.89	40.64	1	10000	R6000HF
▲	THT-60-727-10	Polyimide	White	38.10	3.18	—	5.72	43.18	1	10000	R6000HF
▲	THT-45-727-10	Polyimide	White	38.10	6.35	—	8.89	43.18	1	10000	R6000HF
●	THT-4-727-10	Polyimide	White	38.10	6.35	41.91	8.89	85.09	2	10000	R6000HF
▲	THT-48-727-10	Polyimide	White	50.80	6.35	—	8.89	55.88	1	10000	R6000HF

*2 rolls of 5000 labels

View the Material Brands & Attributes Guide on pages 8-11. Benchtop Printer Ribbons on page 219. Full Material Properties on page 228.

Circuit Board Materials



B-728 POLYIMIDE MATERIAL

Colour: White

Finish: Matt

White polyimide material with matt finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals.

Performance Attributes:

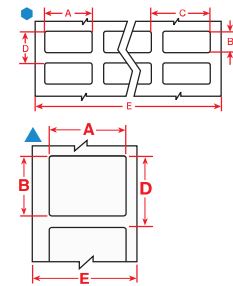


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
▲	THT-99-728-10	Polyimide	White	12.70	12.70	—	15.24	17.78	1	10000*	R6000HF
●	THT-14-728-10	Polyimide	White	16.51	5.08	17.78	7.62	74.93	4	10000	R6000HF
●	THT-1-728-10	Polyimide	White	19.05	6.35	20.32	8.89	85.09	4	10000	R6000HF
▲	THT-46-728-10	Polyimide	White	19.05	6.35	—	8.89	24.13	1	10000	R6000HF
▲	THT-103-728-10	Polyimide	White	25.40	6.35	—	8.89	30.48	1	10000	R6000HF
▲	THT-59-728-10	Polyimide	White	25.40	12.70	—	15.24	30.48	1	10000*	R6000HF
▲	THT-43-728-10	Polyimide	White	31.75	6.35	—	8.89	36.83	1	10000	R6000HF

*2 rolls of 5000 labels



B-729 POLYIMIDE MATERIAL

Colour: White

Finish: Satin

White polyimide material, low profile (1 mil thickness), with satin finish and ultra-durable adhesive. Used in printed circuit board and electronic component pre-process labelling. Designed for use with extreme wash protocol and cleaning chemicals.

Performance Attributes:

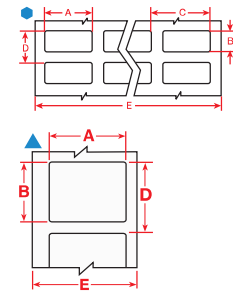


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-104-729-20	Polyimide	White	8.00	4.50	9.53	7.92	60.71	6	20000	R6000HF
●	THT-1-729-10	Polyimide	White	19.05	6.35	20.32	8.89	85.09	4	10000	R6000HF
▲	THT-103-729-10	Polyimide	White	25.40	6.35	—	8.89	30.48	1	10000	R6000HF
▲	THT-45-729-10	Polyimide	White	38.10	6.35	—	8.89	43.18	1	10000	R6000HF
▲	THT-48-729-10	Polyimide	White	50.80	6.35	—	8.89	55.88	1	10000	R6000HF
▲	THT-16-729-2.5	Polyimide	White	76.20	6.35	—	9.53	81.28	1	2500	R6000HF



B-730 POLYIMIDE MATERIAL

Colour: Black

Finish: Matt

The B-730 laser engraveable polyimide traceability label features an ultra-thin yet durable permanent adhesive that can resist high temperatures and aggressive chemicals, while avoiding adhesive bleed to reduce the risk of unplanned production stops. Specifically developed for auto-apply systems, the label is highly reliable and offers increased accuracy and pick up rate.

Performance Attributes:



Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package
▲	LAS-208-730-10	Polyimide	Black	5.00	5.00	7.98	25.00	1	10000
▲	LAS-209-730-10	Polyimide	Black	6.35	6.35	10.16	25.00	1	10000
▲	LAS-210-730-10	Polyimide	Black	9.53	9.53	12.70	25.00	1	10000*
▲	LAS-212-730-10	Polyimide	Black	19.00	6.35	10.16	25.00	1	10000

*2 rolls of 5000 labels

View the Material Brands & Attributes Guide on pages 8-11. Benchtop Printer Ribbons on page 219. Full Material Properties on page 228.

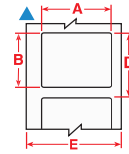
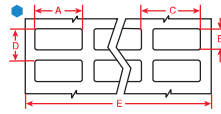


B-776 POLYIMIDE MATERIAL

Colour: Light Green

Finish: Gloss

Light green polyimide material with glossy finish. Used in printed circuit board and electronic component pre-process labelling.



Performance Attributes:

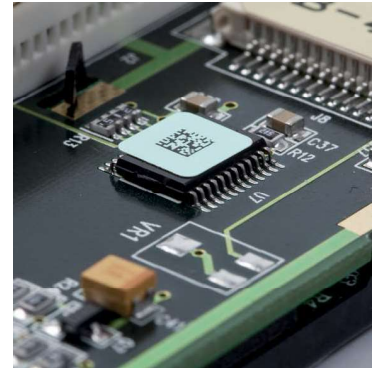


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Horizontal Repeat C (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
●	THT-70-776-20	Polyimide	Light Green	6.35	6.35	8.13	8.89	60.20	7	20000	R6000HF
●	THT-14-776-10	Polyimide	Light Green	16.51	5.08	17.78	7.62	74.93	4	10000	R6000HF
▲	THT-47-776-10	Polyimide	Light Green	16.51	5.08	—	7.62	21.59	1	10000	R6000HF
●	THT-1-776-10	Polyimide	Light Green	19.05	6.35	20.32	8.89	85.09	4	10000	R6000HF
▲	THT-46-776-10	Polyimide	Light Green	19.05	6.35	—	8.89	24.13	1	10000	R6000HF
●	THT-2-776-10	Polyimide	Light Green	22.86	6.35	28.58	8.89	85.09	3	10000	R6000HF
▲	THT-49-776-10	Polyimide	Light Green	22.86	6.35	—	8.89	27.94	1	10000	R6000HF
▲	THT-103-776-10	Polyimide	Light Green	25.40	6.35	—	8.89	27.94	1	10000	R6000HF

*2 rolls of 5000 labels



B-777 CUSTOM EXTREME WASH RESISTANT POLYIMIDE

Colour: White

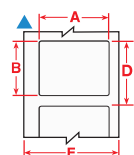
Finish: Gloss

In combination with the new R6300 ink ribbon, the new B-777 UltraTemp label performs well in harsh cleaning processes, with and without reflow. The white glossy polyimide B-777 label offers excellent resistance to fluxing and wave solder environments and performs in temperatures up to 300°C. The label is also extremely receptive to small font prints in text or barcode and is available in custom sizes.

Performance Attributes:



Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
▲	THT-208-777-10	Polyimide	White	5.00	5.00	7.98	25.00	1	10000	R6300
▲	THT-209-777-10	Polyimide	White	6.35	6.35	10.16	25.00	1	10000	R6300
▲	THT-210-777-10	Polyimide	White	9.53	9.53	12.70	25.00	1	5000	R6300
▲	THT-212-777-10	Polyimide	White	19.05	6.35	10.16	25.00	1	10000	R6300





B-7423 POLYESTER MATERIAL

Colour: White

Finish: Satin

White polyester thermal transfer printable material, similar to B-8423, but specifically designed for auto apply application.

Performance Attributes:

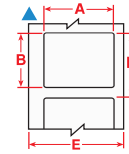
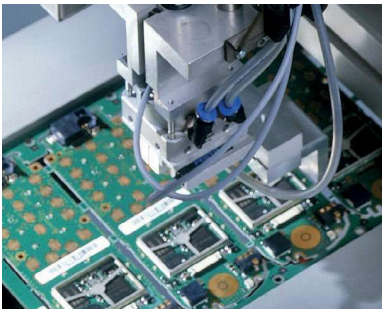


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
▲	THT-208-7423-10	Polyester	White	5.00	5.00	7.98	25.00	1	10000	R7961
▲	THT-209-7423-10	Polyester	White	6.35	6.35	10.16	25.00	1	10000	R7961
▲	THT-210-7423-10	Polyester	White	9.53	9.53	12.70	25.00	1	10000	R7961
▲	THT-211-7423-10	Polyester	White	12.70	12.70	15.88	25.00	1	10000	R7961
▲	THT-212-7423-10	Polyester	White	19.05	6.35	10.16	25.00	1	10000	R7961



B-7727 POLYIMIDE AUTO-APPLY LABEL

Colour: White

Finish: Gloss

This high performing and highly reliable polyimide label for auto-apply traceability applications offers great accuracy and pick up rate to improve production continuity.

Performance Attributes:

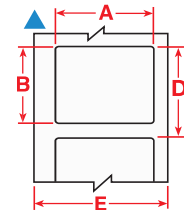


Diagram	Order Reference	Material	Colour	Label Width A (mm)	Label Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Roll	Ribbon Series
▲	THT-208-7727-10	Polyimide	White	5.00	5.00	7.98	25.00	1	10000	R6000HF
▲	THTCLT-01-7727-5	Polyimide	White	5.00	5.00	7.99	25.00	1	5000	R6000HF
▲	THT-209-7727-10	Polyimide	White	6.35	6.35	10.16	25.00	1	10000	R6000HF
▲	THTCLT-02-7727-5	Polyimide	White	6.35	6.35	9.33	25.00	1	5000	R6000HF
▲	THTCLT-03-7727-5	Polyimide	White	7.00	7.00	10.00	25.00	1	5000	R6000HF
▲	THT-210-7727-10	Polyimide	White	9.53	9.53	12.70	25.00	1	10000	R6000HF
▲	THTCLT-05-7727-5	Polyimide	White	9.53	9.53	12.55	25.00	1	5000	R6000HF
▲	THT-212-7727-10	Polyimide	White	19.05	6.35	10.16	25.00	1	10000	R6000HF