TOSHIBA

TOSHIBA MEDIA SELECTION GUIDE

Toshiba thermal bar code consumables diverse product offering is the perfect solution for your business-critical labeling applications. From ribbons to labels, RFID tags to cleaning products, we have a solution for you.

The information contained in this brochure should help you determine what products best suit your needs. If you have any questions or still need additional help, please contact your regional bar code business development manager or the bar code consumables product marketing specialist.

Toshiba offers a full line of thermal bar code printer ribbons in numerous sizes, colors and ink formulations for a wide range of applications. Each of our ribbon grades has been rigorously tested and approved for all Toshiba thermal bar code printers. With over 25 years in the bar code business you can be certain that you are getting the best ribbon for your application.

WAX

GRADE	TYPE	FACESTOCK	SPEED	HEAT TEMP.	SCRATCH RESISTANCE	SOLVENT RESISTANCE	HEAT RESISTANCE
AW1F	Economy Wax	Vellum paper Matte coated paper Glossy coated paper	Up to 16 ips	Low	30/100	0/100	Up to 140F
AW5F	Enhanced Wax	Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 16 ips	Low	55/100	0/100	Up to 212F
AW6F	Standard Wax	Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 16 ips	Low	40/100	0/100	Up to 140F
AW7F	SolFree Wax	Vellum paper Matte coated paper Glossy coated paper	Up to 16 ips	Low	10/100	0/100	Up to 140F

WAX/RESIN

GRADE	TYPE	FACESTOCK	SPEED	HEAT TEMP.	SCRATCH RESISTANCE	SOLVENT RESISTANCE	HEAT RESISTANCE
AG1E	Economy Wax/Resin	Rough papers Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 16 ips	Medium	60/100	0/100	Up to 212F
AG2E	Standard Wax/Resin	Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 32 ips	Medium	70/100	0/100	Up to 212F
AG3F	Standard Wax/Resin	Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 16 ips	Medium	60/100	0/100	Up to 212F
AG4E	Premium Wax/Resin	Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 28 ips	Medium	80/100	0/100	Up to 230F
AG4F	Premium Wax/Resin	Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 15 ips	Medium	70/100	0/100	Up to 302F
AG6E	Long Life Wax/Resin	Vellum paper Matte coated paper Glossy coated paper Some synthetics	Up to 32 ips	Medium	70/100	0/100	Up to 212F
SG2E	Standard Wax/Resin	Uncoated paper Coated paper Glossy coated paper Some synthetics	Up to 12 ips	Medium	N/A	N/A	Up to 166F
YW1F	Premium + Wax/Resin	Uncoated paper Coated paper Glossy coated paper Some synthetics	Up to 6 ips	Medium-High	N/A	N/A	Up to 152F

RESIN

GRADE	TYPE	FACESTOCK	SPEED	HEAT TEMP.	SCRATCH RESISTANCE	SOLVENT RESISTANCE	HEAT RESISTANCE
AS1E	Standard Resin	Matte coated paper Glossy coated paper Synthetics	Up to 10 ips	High	95/100	45/100	Up to 356F
AS2E	Premium Resin	Synthetics Specialty	Up to 8 ips	High	95/100	80/100	Up to 482F
AS3E	Premium + Resin	Synthetics Specialty dry cleaning	Up to 8 ips	High	95/100	80-90/100*	Up to 392F
AS1F	Standard Resin	Matte coated paper Glossy coated paper Synthetics	Up to 10 ips	Medium-High	95/100	60/100	Up to 356F
AS2F	Premium Resin	Synthetics Specialty	Up to 8 ips	High	95/100	90/100	Up to 482F
AS3F	Premium + Resin	Synthetics Specialty dry cleaning	Up to 8 ips	High	100/100	80-90/100*	Up to 392F
YS1F	Standard Resin	Synthetics Specialty	Up to 6 ips	High	N/A	N/A	Up to 273F

*90/100 for at home washing and industrial washing, 85/100 for dry cleaning and ironing, 80/100 for bleach

TOSHIBA MEDIA SOLUTION SELECTOR

Each printing application is unique and there are no one size fits all solutions. The media and ribbon suggestions we have listed, are a general guideline. It is always recommended that you test the media and ribbon in your particular environment especially if your application is challenging. We are always happy to supply the closest size ribbon and media we have on hand so that you can test your specific set of circumstances.

TOSHIBA THERMAL TRANSFER MEDIA/RIBBON SELECTION GUIDE

					SURFACE TO LABEL							RESISTANCE						RIBBONS	
PRODUCT TYPE	ENVIRONMENT	APPLICATIONS	MINIMUM APPLICATION TEMP.	SERVICE TEMP.	CARDBOARD	PAPER	FILMS	SOME PLASTICS	METAL/GLASS	ROUGH SURFACES	CURVED SURFACES	MOISTURE	ABRASION	CHEMICAL				STANDARD APPLICATION NEAR EDGE*	STANDARD APPLICATION FLAT HEAD*
														WEAK	MODERATE	HARSH	EXTREME		
TT Paper Labels	Indoor	Indoor general purpose labeling, Warehouse, Logistics, Box labeling, Pricing, Created to adhere well to all normal substrates, including non-polar surfaces, films and corrugated board. Good low temp performance. Not recommended for highly curved surfaces.	32F	-4F to 176F	●	●	●	●	●	●	●	N	●	N	N	N	N	AG1E AG2E AG4E AG6E	AW1F AW5F AW6F AW7F AG3F AG4F
TT Floodcoated Paper Labels	Indoor	Indoor general purpose labeling, Warehouse, Logistics, Box labeling, Pricing, Created to adhere well to all normal substrates, including non-polar surfaces, films and corrugated board. Good low temp performance. Not recommended for highly curved surfaces.	32F	-4F to 176F	●	●	●	●	●	●	●	N	●	N	N	N	N	AG1E AG2E AG4E AG6E	AW1F AW5F AW6F AW7F AG3F AG4F
TT Paper Tags	Indoor	Indoor general purpose tagging, Warehouse, Logistics, Pricing, Good low temp performance. Not recommended for highly curved surfaces.	32F	-4F to 176F	●	●	●	●	●	●	●	N	●	N	N	N	N	AG1E AG2E AG4E AG6E	AW1F AW5F AW6F AW7F AG3F AG4F
TT Polypropylene Labels	Indoor, Outdoor	Indoor or outdoor box labeling, Product labeling, Test tube, Indirect food label, Asset tag, Chemical drums, Cold and damp environments, Elevated temperature applications	20F	-65F to 200F	●	●	●	●	●	●	●	●	●	●	●	●	●	AG2E AG4E AG6E AS1E	AG3F AG4F AS1F
TT Glossy Polyester Labels	Indoor, Outdoor	Product labeling, Electronic labeling, Asset tags, Automotive labeling, Chemical drum, Utility meters, Painted metal, Powder-coated paint, Polycarbonate and fiberglass	50F	-40F to 302F	●	●	●	●	●	N	N	●	●	●	●	●	●	AG4E AS1E AS2E AS3E	AG4F AS1F AS2F AS3F

*Each application is different. It is always recommended that the customer test a sample label/ribbon before purchasing ● Recommended ● Test in Application **N** Not Recommended

TOSHIBA DIRECT THERMAL MEDIA SELECTION GUIDE

					SURFACE TO LABEL							RESISTANCE					
														CHEMICAL			
PRODUCT TYPE	ENVIRONMENT	APPLICATIONS	MINIMUM APPLICATION TEMP.	SERVICE TEMP.	CARDBOARD	PAPER	FILMS	SOME PLASTICS	METAL/GLASS	ROUGH SURFACES	CURVED SURFACES	MOISTURE	ABRASION	WEAK	MODERATE	HARSH	EXTREME
DT Paper Labels	Indoor	Indoor general purpose labeling, Created to adhere well to all normal substrates, including non-polar surfaces, films and corrugated board. Performs well at low temperatures.	32F	-4F to 176F	●	●	●	●	●	●	●	N	N	N	N	N	N
DT Floodcoated Paper Labels	Indoor	Indoor general purpose labeling, Created to adhere well to all normal substrates, including non-polar surfaces, films and corrugated board. Performs well at low temperatures.	32F	-4F to 176F	●	●	●	●	●	●	●	N	N	N	N	N	N
DT Paper Tags	Indoor	Indoor general purpose tagging, Warehouse, Logistics, Pricing, Good low temp performance. Not recommended for highly curved surfaces.	32F	-4F to 176F	●	●	●	●	●	●	●	N	N	N	N	N	N

*Each application is different. It is always recommended that the customer test a sample label/ribbon before purchasing

● Recommended ● Test in Application **N** Not Recommended

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