

## Resin - AS1



### For flat-head printers

The AS1 is a pure resin ribbon developed for applications requiring excellent mechanical and solvent resistance. It is suited to most synthetic materials such as PVC, PET, PP and various matte and gloss coated papers, and is the preferred choice for printed images that are exposed to harsh environments. The AS1 is UL recognised and BS5609 approved when used in association with the correct substrates. It has a heat resistance of up to 180°C (356°F) and, as with all Toshiba ribbon products, it offers the very best in printhead protection.

**Toshiba AS1 is the preferred choice for all images destined for harsh situations.**

### Characteristics

Excellent print quality	Multi receptor compatibility and sensitivity
Good resistance to high temperatures	Available in colours
Outstanding scratch and solvent resistance	

### Specifications (Performances expressed in this sheet are for the black ribbon)

Ink	Type	Resin
	Melting point	80°C (176°F)
<b>Carrier</b>	Film thickness	<9µm
	PET thickness	4.5µm
	Tensile strength	>300 N/mm <sup>2</sup> (MD)
<b>Back Coating</b>	Silicone product based	Friction coefficient Kd <0.2
<b>Colours</b>	● Black, ○ White, ● Dark blue (286 C), ● Dark red (192 C), ● Green (Green C)	

Ribbon is anti static build up treated. Storage: 12 months, 5-35 °C (41-95°F), 20-80% Humidity

### Certifications and Approvals (For other standards, please contact us)

<b>LFGB</b>	Food contact (Europe)		UL/CSA Legibility and durability of the printed label.
	BS 5609 The printing ink withstands immersion in seawater		
<b>Heavy metals</b>	EC 98/638.		
<b>Ames test</b>	The ribbon is not mutagenic, does not cause DNA modifications.		
<b>TSCA</b>	The ribbon does not contain any of the toxic substances mentioned in this list.		
<b>California Proposition 65</b>	The ribbon does not contain any of the chemicals mentioned in this list. (except for carbon black which as far as we know is present in every black TT ribbons).		
<b>EC Directives</b>	1999/45/EC and 2001/59/EC. The ribbon does not contain any substance classified as dangerous for health.		



## Always Choose Toshiba Ribbons for Toshiba Printers

The wide range of Toshiba ribbons available today ensures that our valued customers have different product options for virtually every thermal transfer application. Using Toshiba ribbons ensures optimum print quality causing minimum wear on working parts - in particular to the printhead.

Before a ribbon is certified by Toshiba it must first undergo stringent tests to ensure its continuity and reliability in the field. It is assessed on a variety of receiving materials, and at every speed and temperature combination. Only once this procedure is complete and deemed successful will the ribbon receive its certificate of approval.



Other Approved Ribbon Types Available		
<b>Standard applications</b>	Wax	Wax/Resin
	Super wax resin	Full resin
<b>Specialist resins for</b>	Wash-care & textile labelling	Harsh chemical and industrial uses
	Extreme automotive and aviation environments	

Colour ribbons are also available in all qualities including HazChem orange.

## The Complete Toshiba Ribbon Range

RIBBON QUALITY CODES	AW/GF	SW1	AWTF	SG3F	AG3	AG4	AS1F	SS3F	AG2	SG2	AG6E	AS2	AS3	AS1
Wax	✓		✓											
Resin Enhanced Wax		✓												
Wax Resin				✓	✓				✓	✓	✓			
Premium Wax Resin						✓								
Resin							✓	✓						✓
Premium Resin												✓	✓	
Wax Resin - 800m											✓			
PRINTER TYPE: FLATHEAD RANGE														
B-EX4T2 / B-EX6T3	✓	✓	✓	✓	✓		✓	✓				✓	✓	
B-SA4T/ BA400	✓	✓	✓	✓	✓		✓	✓				✓	✓	
B-EV4T/B-FV4T	✓	✓	✓	✓	✓		✓					✓	✓	
B-852	✓	✓			✓		✓					✓	✓	
PRINTER TYPE: EDGE HEAD RANGE														
B-SX series (4,5,6 & 8)									✓	✓	✓	✓	✓	✓
B-EX4T1									✓	✓	✓	✓	✓	✓
B-EX6T1									✓	✓	✓	✓	✓	✓



## TOSHIBA - leading the way through quality and innovation.

Please note that not using TOSHIBA approved ribbons affects any printer and printhead warranties offered by TOSHIBA. All company and/or product names are trademarks and/or registered trademarks of their respective owners. All features and specifications are subject to change without notice.

All Toshiba's range of consumable products meet the current EU Directives for Health and Safety; ROHS; REACH; Banned Substances and Waste and Packaging.

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