



## 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 matt 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.

### Available for

B-442	B-452	B-SV4T	
B-443	B-852	B-SA4	

### Characteristics

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

### Specifications

Ribbon thickness	Microns	< 9 µm
Ink	Type	Resin
	Melting point	80°C
Carrier	Type	Polyester film
	Thickness	4.5 ± 0.3 µm
	Tensile strength*	> 300 N/mm <sup>2</sup> (MD)
Back Coating	Silicone product based	Low coefficient of friction: Kd < 0.2
Optical Density*	Optical Density by Reflection (ODR)	> 1.5 (Macbeth TR 927)
Smudge Resistance*	Printing is perfectly visible after 200 runs (Crockmeter, smudge pressure of 680 g/cm <sup>2</sup> load)	
Colours	<ul style="list-style-type: none"> <li>● Black, ○ White, ● Dark blue (286 C), ● Dark red (192 C), ● Green (Green C)</li> </ul>	

\*Please note that not using TOSHIBA approved ribbons affects any printer and printhead warranties offered by TOSHIBA Europe. 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.

## 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.

This commitment to quality and reliability is what you would expect from Toshiba as the biggest thermal transfer ribbon distributor in Europe.

### Other approved ribbon types available

<b>Standard applications</b>	<ul style="list-style-type: none"> <li>● Wax</li> <li>● Wax resin</li> </ul>	<ul style="list-style-type: none"> <li>● Super wax resin</li> <li>● Full resin</li> </ul>
<b>Specialist resins for</b>	<ul style="list-style-type: none"> <li>● Wash-care &amp; textile labelling</li> <li>● Harsh chemical and industrial uses</li> </ul>	<ul style="list-style-type: none"> <li>● Extreme automotive and aviation environments</li> </ul>

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

### The complete Toshiba ribbon range

Quality codes	AW1	SW1	AG2	AG4	AG5	FG2	PG2	RG2	SG2	AS1	AS2	AS3	FS1	RS1	SS1
<b>RIBBON TYPE</b>															
General purpose wax	●	●													
General purpose wax resin (smearless)			●		●	●	●	●	●						
Scratch/solvent resistant resin										●			●	●	●
Economy resin/enhanced wax resin				●											
Specialist super resin											●				
Washcare textile resin													●		
<b>PRINTER TYPE</b>															
Old B series B-30, 402, 602, 65 & 63	●		●							●	●	●			
B-443, B-452, B-852, B-SV4T, & B-SA4T flat head printer	●	●	●						●	●	●	●			●
BX and SX near edge printer			●	●	●	●		●	●	●	●	●		●	
CB-416-T3 and CB-426-T3 colour printer			●			●	●			●	●	●	●		
CB-416-T1 colour printer			●			●				●	●	●			
<b>AVAILABLE IN COLOUR (AS2 in orange only)</b>	●		●			●	●			●	●			●	
<b>PREMIUM KIT REQUIRED! (colour printer only)</b>							●							●	

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



# TOSHIBA

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