



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.

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) |
| Carrier | Film thickness | <9µm |
| | PET thickness | 4.5µm |
| | Tensile strength | >300 N/mm ² (MD) |
| Back Coating | Silicone product based | Friction coefficient Kd <0.2 |
| Colours | ● 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 (40-95°F), 20-80% Humidity

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

| | | | |
|---|--|---|--|
| LFGB | Food contact (Europe) |  | UL/CSA Legibility and durability of the printed label. |
|  | BS 5609 The printing ink withstands immersion in seawater | | |
| Heavy metals | EC 98/638. | | |
| Ames test | The ribbon is not mutagenic, does not cause DNA modifications. | | |
| TSCA | The ribbon does not contain any of the toxic substances mentioned in this list. | | |
| California Proposition 65 | The ribbon does not contain any of the chemicals mentioned in this list. <i>(except for carbon black which as far as we know is present in every black TT ribbons).</i> | | |
| EC Directives | 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 | | |
|---------------------------------------|--|------------------------------------|
| Standard applications | Wax | Wax/Resin |
| | Super wax resin | Full resin |
| Specialist resins for | 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

| Quality codes | AW3 | AG2 | AG3 | AG4 | AG5 | AS1 | AS2 | AS3 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| * Available in colour | * | * | * | * | | * | | |
| RIBBON TYPE | | | | | | | | |
| General purpose wax | ● | | | | | | | |
| General purpose wax resin (smearless) | | ● | ● | | ● | | | |
| Scratch/solvent resistant resin | | | | | | ● | | |
| Economy resin/enhanced wax resin | | | | ● | | | | |
| Specialist super resin | | | | | | | ● | |
| Washcare textile resin | | | | | | | | ● |
| PRINTER TYPE | | | | | | | | |
| 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 and CB-426 colour printer | | ● | | | | ● | ● | ● |
| B-EV4 flat head printer | ● | | ● | | | ● | | |
| SX-600 flat head printer | | | | | | ● | | |

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.

TOSHIBA
Leading Innovation >>>

TOSHIBA TEC AUSTRALIA PTY LTD

Unit 1, 9-11 South Street RYDALMERE NSW 2116

Telephone: +61 2 8845 6233

Fax: +61 2 9680 0892

e-mail: barcodeprinters@toshibatec.com.au

Web: www.toshibatec.com.au

