



## 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 <sup>2</sup> (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)

<b>LFGB</b>	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.		

