

Ultra-white Resin Ribbon

SV440



PRODUCT DESCRIPTION

Sunavin SV440 is an ultra-white flat-head resin ribbon specifically designed for applications that demand high opacity, chemical resistance, and long-term durability. With its excellent whiteness (≥ 0.4 OD whiteness value) and smooth ink layer, SV440 delivers clean, highly visible prints even on dark or colored surfaces.

This ribbon is ideal for use in electronics, cable labeling, laboratory diagnostics, and cosmetics packaging, where legibility, contrast, and resistance to harsh environments are crucial. It prints sharp graphics and micro-text on synthetic labels and specialty films with strong durability against smudging, abrasion, and moisture.

RECOMMENDED SUBSTRATES

- Black PET / PVC labels
- Clear synthetic films (e.g., PP, PET)
- Black background film
- Synthetic Label Materials
- Matt or gloss silver labels

RIBBON PROPERTIES

PET Film Thickness	4.5±0.3 µm
Ribbon Thickness	8.5±0.3 µm
Ink Layer Thickness	3.8±0.3 µm
Color	White
Compatible Printhead	Flat Head

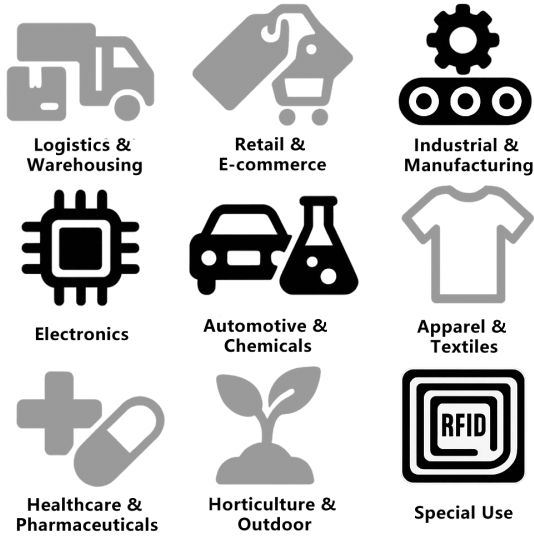
PRINTING PERFORMANCE

Darkness	0.4 whiteness
Sharpness	95 %
Transfer Sensitivity	60 %
Print Speed	127.0 mm/s (5 ips)
Energy Setting	High
Melting Point	85 °C

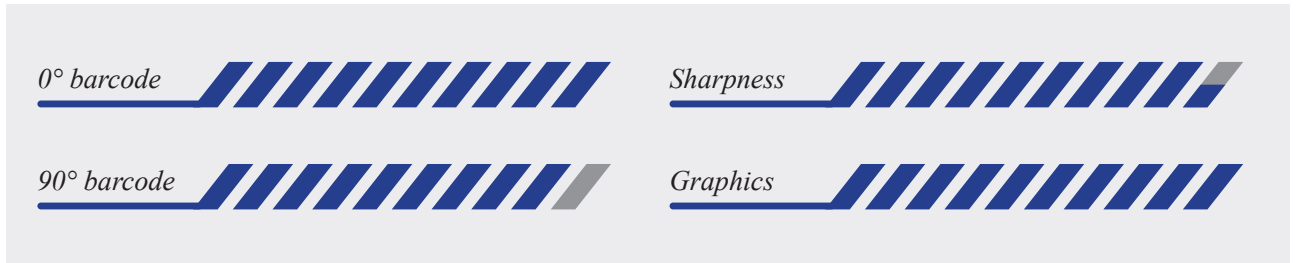
CERTIFICATIONS & APPROVALS



TYPICAL APPLICATIONS



PRINTING QUALITY



STORAGE CONDITIONS	
Temperature	5°C - 35°C (41°F - 95°F)
Humidity	20% - 80% (RH)
Avoid	Direct sunlight
	High temperature & humidity high
	Exposure to chemicals

RIBBON RESISTANCE	
Smudge	● ● ● ● ●
Scratch	● ● ● ● ●
Abrasion	● ● ● ● ○
Solvent	● ● ● ● ○
Heat	● ● ● ● ●