ARMOR IIMAK

Colour ribbons for Flat Head printers

Wide colour range across all ink types and for all printer brands

↘ Ideal for short run labels, inventory control and item matching and sorting

↘ For use in all standard barcode printers and multi-head printers

WAX

DC100S GREY (425 C)	DC100S RED (185 C)
DC100S GREEN (334 C)	
DC100S LIGHT BLUE (2728 C)	DC100S DARK BLUE (541 C)
DC100S GOLD (874 C)	

WAX RESIN

- DC200S WHITE (White)
- APR®531GY GREY (5425 C)
- DC200P MAGENTA (Process Magenta)
- DC200S RED (186 C)
- DC200S WINE RED (208 C)
- DC200S ORANGE (021 C)
- DC200P YELLOW (Process Yellow)
- DC200S LEMON YELLOW (108 C)
- DC200S BROWN (4625 C)
- DC200S KELLY GREEN (347 C)
- DC200S SHAMROCK GREEN (334 C)
- DC200S FOREST GREEN (3308 C)
- DC200P CYAN (Process Cyan)
- APR®5B BLUE (286 C)
- DC200S ROYAL BLUE (072 C)
- DC200S MIDNIGHT BLUE (289 C)
- DC200S VIOLET (2685 C)
- DC200S SILVER (877 C)
- DC200S GOLD (871 C)

RESIN

- DC305S WHITE (White)
- DC400S GREY (425 C)
- DC400S RED (185 C)
- DC300S SAFETY RED (485 C)
- DC300S RUBY RED (187 C)
- DC300S SAFETY ORANGE (152 C)
- DC300S GOLDEN YELLOW (116 C)
- DC400S GREEN (339 C)
- DC300S FOREST GREEN (3308 C)
- DC400S LIGHT BLUE (3005 C)
- DC400S DARK BLUE (289 C)
- DC300S SAPPHIRE BLUE (288 C)
- DC305S SILVER (877 C)
- DC305S GOLD (871 C)

Swatches are approximate representations of actual colours. No guarantee can be made as to exact Pantone Matching System (PMS) colour match, the numbers are closest PMS match.
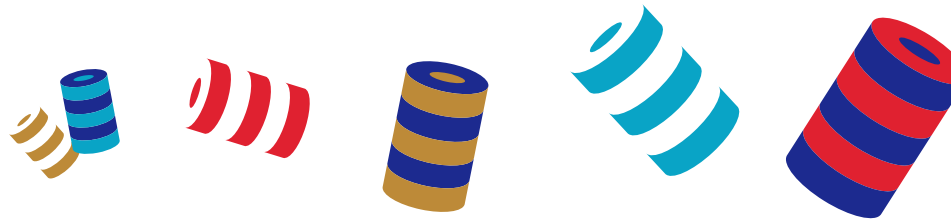
Colour ribbons for Flat Head Printers

Choosing the right colour ribbon for barcode scanning applications

While black bars on a white background are a very good combination, it is possible to print with colours as long as they appear black under red scanning light. Here are some tips from the GS1 organisation on colour scanning:

↘ Bars must always be darker than the spaces.

↘ Cold colours such as green, blue, violet, and black are a good choice.

↘ Warm colours such as yellow, red, orange, and white are not seen by the scanner.

↘ Metallic inks and surfaces reflect too much light preventing the scanner to distinguish between bars and spaces.

Color Range Specifications

	Wax	Wax-Resin	Resin
Description	Ideal for short-term labeling, economical, best for paper labels	Highly versatile, short to long-term labeling, widest stock latitude	High durability, long-term labeling, exterior applications
Recommended substrates			
Rough papers	●●●●●	●●●●○	○○○○○
Coated papers/tags	●●●●●	●●●●●	●●○○○
Synthetics	●●●○○	●●●●○	●●●●●
Print resistance			
Abrasion	●●○○○	●●●●○	●●●●●
Solvent	○○○○○	○○○○○	●●●○○
Heat	60-100°C | 140-212°F	100-150°C | 212-302°F	180-300°C | 356-572°F
Technical specifications			
Film thickness	4,5µm	4,5µm	4,5 - 5,7µm
Total ribbon thickness	<9µm	<9µm	<9µm
Coefficient of friction	Kd < 0,2	Kd < 0,2	Kd < 0,2
Antistatic designed	Yes	Yes	Yes
Maximum print speed	10 - 16 ips (250 - 400 mm/s)	8 - 16 ips (203 - 400 mm/s)	8 - 10 ips (203 - 250 mm/s)
Heat settings	Low — Medium — High (wax)	Low — Medium — High (wax-resin)	Low — Medium — High (resin)
Storage conditions			
Storage time	12 months recommended	12 months recommended	12 months recommended
Relative Humidity	20-80%	20-80%	20-80%
Temperature	5-35°C (40-95°F)	5-35°C (40-95°F)	5-35°C (40-95°F)