

# PRK 59518

**PREMIUM - WAX/RESIN  
FOR NEAR EDGE**



**TYPE**

**RITE 08**

**LIMITED**

● **EXCELLENT SENSITIVITY AND RECEPTOR MULTI-COMPATIBILITY**

● **VERY GOOD PRINTING QUALITY AT HIGH SPEED AND SHARPNESS OF 90° BARCODES**

● **VERY HIGH RESISTANCE TO SMUDGE**

**PRK 59518** combines a multi receptor compatibility with good level of performance. This high versatility allows it to fulfill the requirements of many applications.

The ink provides excellent printing quality of all types of barcodes, very small text, large characters, and logos, at a blackness up to 2.2 (ODR).

The ribbon structure allows printing on various kinds of receptors, such as uncoated and coated papers, and synthetics. The printed image offers a good level of smudge resistance and heat resistance up to 100°C.

Those characteristics remain at speeds up to 600 mm/s (24 ips) and with 200, 300 and 600 DPI printheads, making this ribbon perfectly adapted either to the labelling market or the flexible packaging printing market.

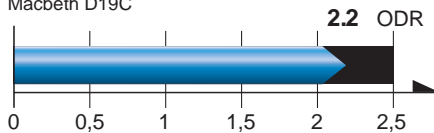
**PRK 59518** grade features outstanding backcoat technology, ensuring excellent printhead protection, preventing clogging and static build-up.

## PRINTING QUALITY

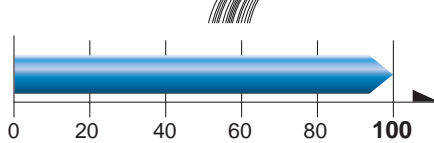
## SENSITIVITY

## RESISTANCES

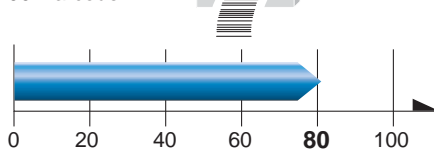
Blackness  
Macbeth D19C



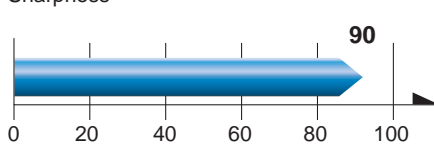
0°Barcode



90°Barcode



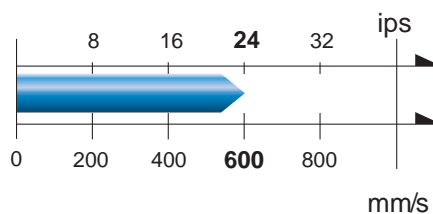
Sharpness



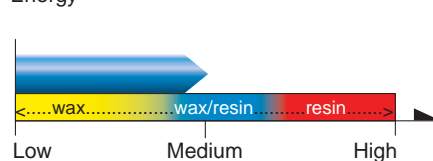
Receptor Compatibility

Vellum (e.g. 3101...)	■
Coated papers (e.g. 5006...)	■ ■
High gloss papers (e.g. 5004...)	■ ■
Synthetics (e.g. 5096, 5112...)	■ ■

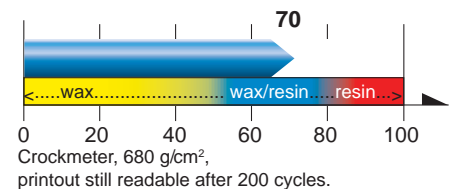
Printing Speed



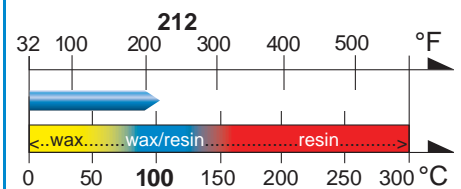
Energy



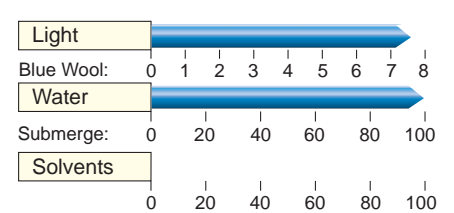
Mechanical Resistances



Heat Resistance



Other Resistances



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### TYPE

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## EXAMPLES OF APPLICATION FIELDS

The characteristics of PRK 59518 answer the requirements of the following application fields:  
(If your application is not among the ones below, please contact us.)



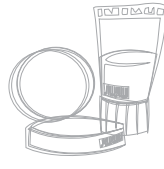
Inventory



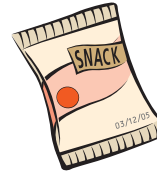
Shipping



Pharmaceutical



Cosmetics



Flexible Packaging



Flexible Packaging for frozen applications



Flexible Packaging for hot processes



Rating plates



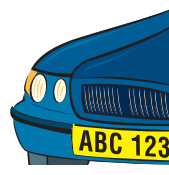
CDs



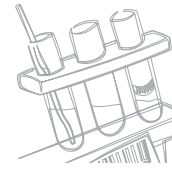
Retail labeling



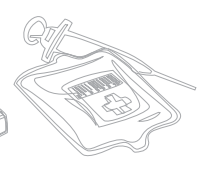
Care labels



Signage & Logos



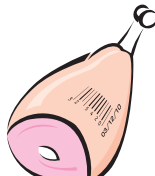
Laboratory



Healthcare



Tags



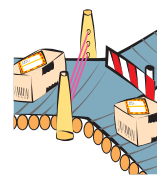
Food contact



Livestock



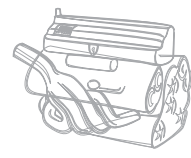
Outdoor applications



Conveyor sorting



Chemical drums



Automotive

## CERTIFICATIONS & APPROVALS

**Food contact:** This ribbon is compliant with the European Directive 1935/2004/EC.

**UL Approved:** Legibility and durability of the printed label.

**Heavy metals:** The ribbon is compliant with EC 95/638. SGS reports available upon request.

**RoHs/WEEE:** EC directives 2002/95 and 2002/96, compliance to the limitation of dangerous substances in electric and electronic equipments.

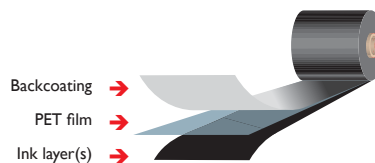
**REACH:** As a European manufacturer, ARMOR is completely fulfilling REACH requirements. Our ribbons are free from the Substances of Very High Concern (SVHC).

**CP65:** The ribbon is free from the substances listed.

**Halogen:** this ribbon is halogen free.

Contact us for all other regulations linked to product compliance with toxicity, treatment of wastes, banned components, packaging, etc.

## RIBBON SPECIFICATIONS



Backcoating →

PET film →

Ink layer(s) →

**Backcoating:**  
Silicon based.  
Friction coefficient: Kd < 0.2.

**PET film:**  
Thickness: 4.5 µm.  
Tearing resistance: > 300 N/mm<sup>2</sup>(MD).

**Ink:**  
Wax.  
Melting point: 80°C  
(Manufacturer procedure).

**Ribbon:**  
Thickness (black): < 9 µm.  
The ribbon is anti static build-up treated.  
Storage: 12 months, 5-35°C (40-95°F),  
20-80 % Humidity Rate.

## COLOUR RANGE

Data exposed in this sheet are for the black ribbon. Printing performance of the colour ribbons are close to black ones.

- Black
- White
- Blue (Reflex Blue C)
- Orange (151 C)
- Light Red (1788 C)
- Brown (463 C)
- Light Green (Green C)
- Cyan
- Magenta
- Yellow
- Metallic White (877 C)

Film produced in a factory certified on:

- ISO 9001 - Quality management with a principal objective of customer satisfaction.
- ISO 14001 - Environmental protection.
- OHSAS 18001 - Safety and Health of the workforce.

