

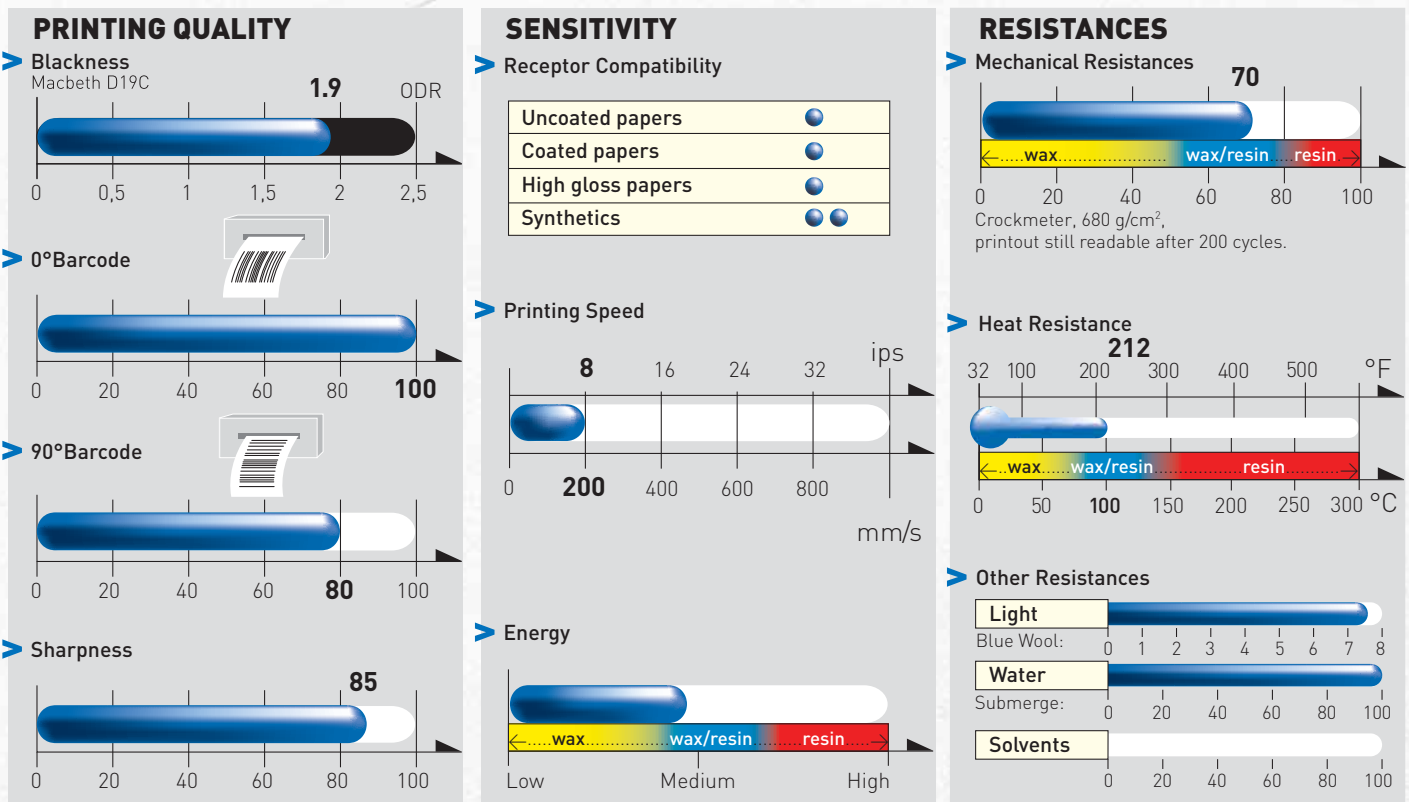
APR® 503

PREMIUM - WAX/RESIN
FOR FLAT HEAD

- GOOD RESISTANCE TO SMUDGE
- PARTICULARLY ADAPTED TO SYNTHETICS
- VERY GOOD PRINTING QUALITY



APR® 503 is a very versatile ribbon, which makes it able to fulfill the requirements of specific applications. The ink provides excellent printing quality of all types of barcodes, very small text, large characters, and logos, at a blackness above 1.9 (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 200 mm/s (8 ips), and with 200, 300 and 600 DPI printheads, making this ribbon perfectly adapted to specialty applications either in the labeling market or in the flexible packaging printing market. Its versatility enables printing onto CDs and on UV cured receptors. APR® 503 features ARMOR's outstanding backcoat technology, ensuring excellent printhead protection, preventing clogging and static build-up.



Evaluation of observed performances of the ribbon with optimised printer, settings and receptors (ARMOR procedure).

470	6	500+	503	7+	8	9
AWR®		AWX®	APR®	AXR®		
WAX			WAX/RESIN	RESIN		
F L A T H E A D R A N G E						

All ARMOR product sheets are available on our website www.armor-group.com

APR[®] 503

PREMIUM - WAX/RESIN
FOR FLAT HEAD

EXAMPLES OF APPLICATION FIELDS

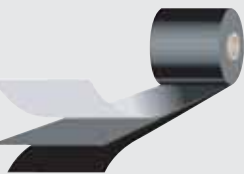
The characteristics of APR[®] 503 answer the requirements of the following application fields :



If your application is not among the ones above, please contact us.

RIBBON SPECIFICATIONS

- Backcoating →
- PET film →
- Ink layer(s) →



Backcoating:
Silicon based.
Friction coefficient: $K_d < 0.2$

PET film:
Thickness: 4.5 μm
Tearing resistance: $> 300 \text{ N/mm}^2(\text{MD})$

Ink:
Wax/Resin
Melting point: 80°C
(ARMOR procedure)

Ribbon:
Thickness (black): $< 11.2 \mu\text{m}$
The ribbon is anti static build up treated.
Storage: 12 months, 5-35°C,
20-80 % Humidity Rate

CERTIFICATIONS AND APPROVALS



1935/2004/EC
Food contact (Europe)

Heavy metals: EC 98/638.

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

Ames test: the ribbon is not mutagenic, does not
cause DNA modifications.

TSCA/CP 65: the ribbon does not contain any of
the substances on these list.

EC Directives: 1999/45/EC and 2001/59/EC.
The ribbon does not contain any substance classified
as dangerous for health. 1935/2004/EC: food contact.

For other standards, please contact us.



ARMOR has the following certifications:
ISO 9001 : 2000, N°QUAL/2007/28312
ISO 14001 : 2004, N°ENV/2007/28315
OHSAS 18001 : 1999, N°SMS/2007/28316

COLOUR RANGE



black



white



dark blue
(286 C)



dark red
(485 C)



dark green
(554 C)



grey
(5425 C)



blue
(Reflex blue C)



light red
(1788 C)



light green
(Green C)



brown
(463 C)

Performances exposed in this sheet are for the black ribbon