



# APR<sup>®</sup> 5

PREMIUM - WAX/RESIN  
FOR FLAT HEAD

• EXCELLENT RECEPTOR MULTI-COMPATIBILITY AND SENSITIVITY

• VERY GOOD RESISTANCE TO SMUDGE

• VERY GOOD PRINTING QUALITY AT HIGH SPEED

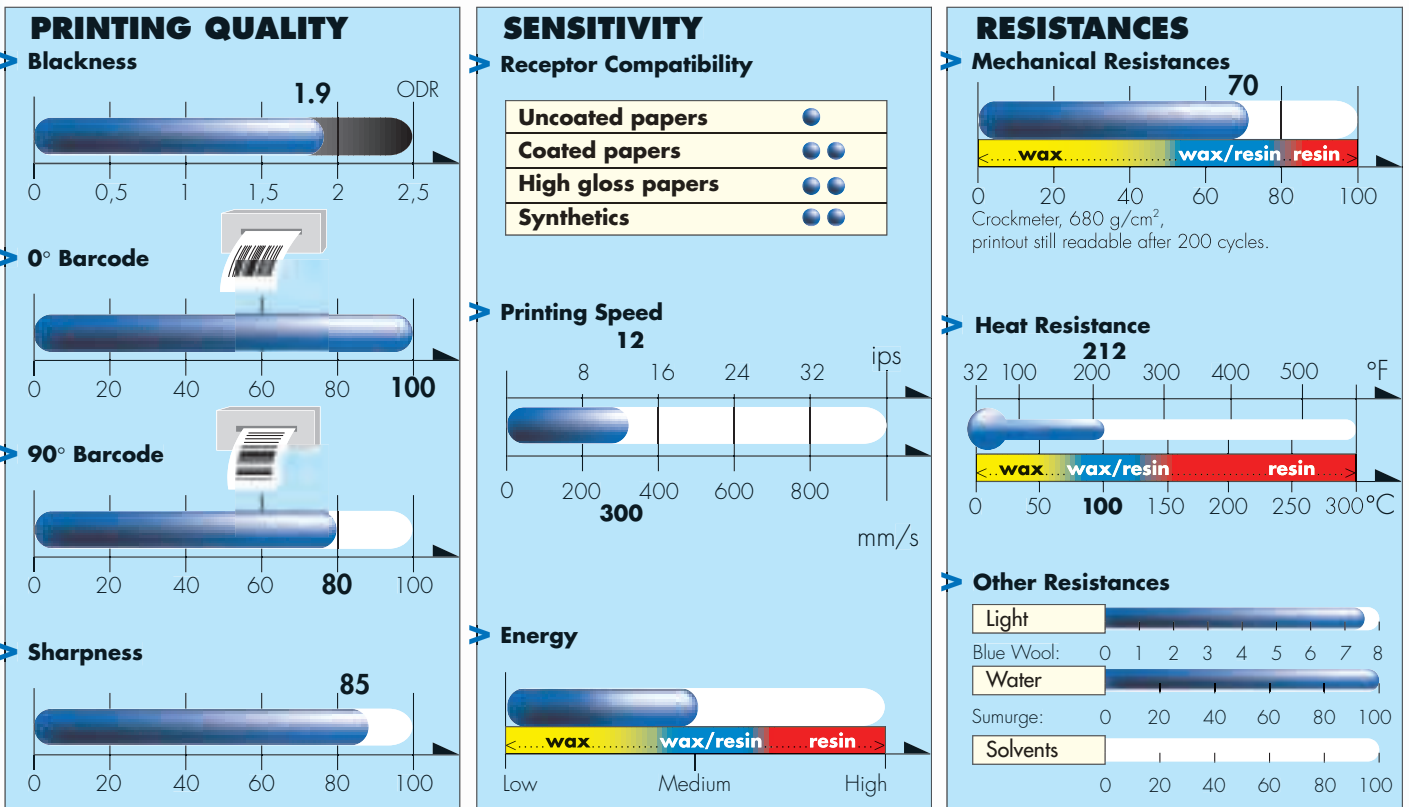
APR<sup>®</sup> 5 combines a multi receptor compatibility with a good level of performances. This high versatility allows it to fulfill the requirements of many applications.

The ink provides an 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 papers, coated papers and synthetics. The printed image offers a good level of smudge resistance, and heat resistance up to 100°C (212°F).

Those characteristics remain at speeds up to 300 mm/s (12 ips), and with 200, 300 and 600 DPI printheads, making this ribbon perfectly adapted either to the labeling market or the flexible packaging printing market.

APR<sup>®</sup> 5 features Armor outstanding backcoat technology ensuring excellent printhead protection, no clogging and prevents static build up.



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

210	470	100	500	503	5	7+	8	9
AWR <sup>®</sup>		AWX <sup>®</sup>		APR <sup>®</sup>		AXR <sup>®</sup>		
WAX				WAX/RESIN		RESIN		
F	L	A	T	H	E	A	N	G

All Armor product sheets are available on our Extranet TTR.Armor.fr and on our website www.armor-group.com



# APR<sup>®</sup> 5

## EXAMPLES OF APPLICATION FIELDS

The characteristics of APR<sup>®</sup> 5 answer the requirements of the following application fields :



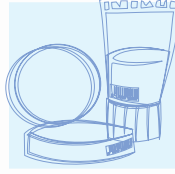
Inventory



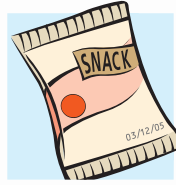
Shipping



Pharmaceutical



Cosmetics



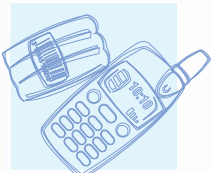
Flexible Packaging



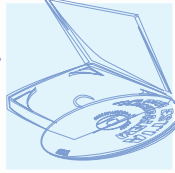
Flexible Packaging for frozen applications



Flexible Packaging for hot processes



Rating plates



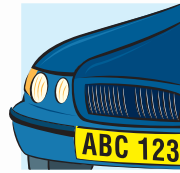
CDs



Retail labeling



Care labels



Signage & Logos



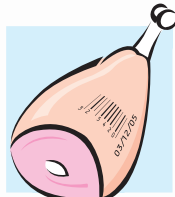
Laboratory



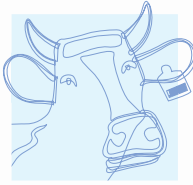
Healthcare



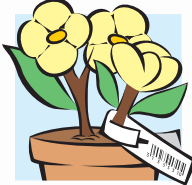
Tags



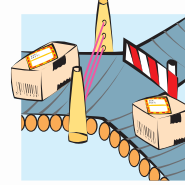
Direct food contact



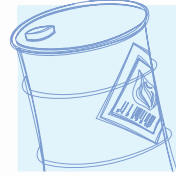
Livestock



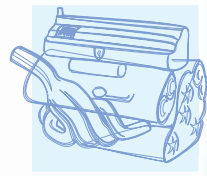
Outdoor applications



Conveyor sorting



Chemical drums



Automotive

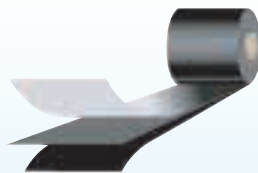
If your application is not among the ones above, please contact us.

### RIBBON SPECIFICATIONS

Backcoating →

PET film →

Ink layer(s) →



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

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

**Ink:**  
Wax/Resin  
Melting point: 75 °C (167 °F)  
(Armor procedure)

**Ribbon:**  
Thickness (black): <10 µm  
The ribbon is anti static build up treated.  
Storage: 12 months, 5-35°C (40-95 °F),  
20-80 % Humidity Rate

### CERTIFICATIONS AND APPROVALS



**B-G-A**

Direct food contact  
(Europe)



UL Approved  
Legibility and durability  
of the printed label

**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.

**EC Directives:** 1999/45/EC, and 2001/59/EC.  
The ribbon does not contain any substance classified  
as dangerous for health.

For other standards, please contact us.



Armor has the following ISO certifications:  
ISO 9001 (1994), N° QUAL/1995/3718a  
ISO 9001 (2000), N° 11 - SIC 3955

### COLOR RANGE



black



white



dark blue  
(286 U)



dark red  
(485 C)



dark green  
(554 C)



grey  
(5425 C)



blue  
(Reflex blue C)



light red  
(1788 C)



light green  
(Green C)



orange  
(151 C)



brown  
(463 C)

Performances exposed in this sheet are for the black ribbon

# ARMOR

MAKING THERMAL TRANSFER EASIER

www.armor-group.com