APR®6

PREMIUM WAX/RESIN FOR FLAT HEAD PRINTERS

VERY GOOD PRINTING QUALITY

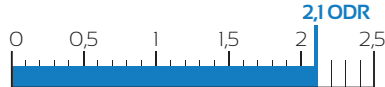**HIGH SPEED PRINTING CAPABILITY**

EXCELLENT RECEPTOR
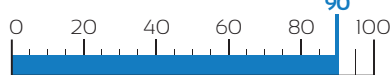**MULTI-COMPATIBILITY AND SENSITIVITY**

APR®6 is the standard wax/resin ribbon of the ARMOR range: very versatile, it has been conceived to print all kinds of self-adhesive labels at the lowest heat settings. It also provides a higher level of mechanical resistance compared to the wax ribbons.
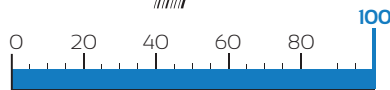
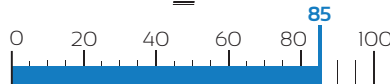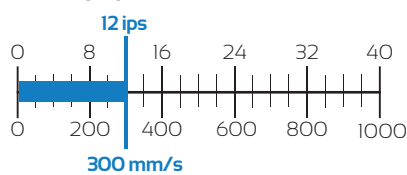## PRINTING QUALITY

Blackness Macbeth D19C
2,1 ODR
0   0,5   1   1,5   2   2,5

Sharpness
90
0   20   40   60   80   100

0°Barcode
100
0   20   40   60   80

90°Barcode
85
0   20   40   60   80   100

SENSITIVITY

Printing Speed
12 ips
0   8   16   24   32   40
0   200   400   600   800   1000
300 mm/s

Energy
APR®6
wax | wax/resin | resin
Low   Medium   High
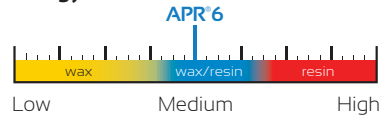
Receptor Compatibility

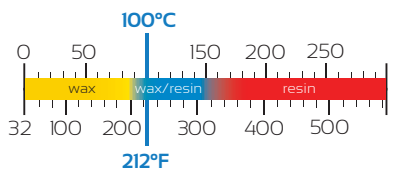|	
Uncoated papers	● ● ●
Coated papers	● ● ●
High gloss papers	● ● ●
Synthetics	● ● ●

RESISTANCES

Mechanical Resistance
Crockmeter, 680 g/cm². For reference only, printout still visible after 200 cycles.
60
0   20   40   60   80   100
wax | wax/resin | resin

Heat Resistance
100°C
0   50   100   150   200   250
wax | wax/resin | resin
32   100   200   300   400   500
212°F
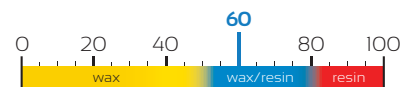
Other Resistances

Light
Blue Wool: 0   1   2   3   4   5   6   7

Water
Submerge: 0   20   40   60   80   **100**

Solvents   20   40   60   80   100
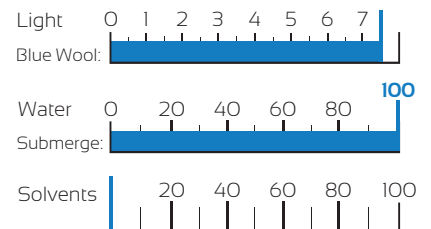
AWR®8	AWR®470	AWR®6	AWX®FH	APR®6	APX®FH	AXR®7+	AXR®8	AXR®9

lower	VERSATILITY	lower	
lower	RESISTANCE	higher	
lower	SHARPNESS	higher	

ARMOR
MAKING THERMAL TRANSFER EASIER

THERMAL TRANSFER RIBBON

APR®6

PREMIUM WAX/RESIN FOR FLAT HEAD PRINTERS

APPLICATION FIELDS

The characteristics of APR®6 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	Retail labeling	Rating plates	Care labels
Signage & Logos	Laboratory	Healthcare	Tags	Food contact
Livestock	Outdoor applications	Conveyor sorting	Chemical drums	Automotive

CERTIFICATIONS

REACH / SVHC Free: 1907/2006/EC

Food Contact Approved: 1935/2004/EC

Heavy metals: - 2002/95/EC
- 2002/96/EC
- 2011/65/EC

California Proposition 65

Halogen Free

APPROVED

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 (286C)
- ● Red (1788C)
- ● Green (Green C)
- ● Grey (5425C)
- ● Brown (463C)
- ● Dark Blue (Reflex Blue C)
- ● Dark Red (485C)
- ● Dark Green (554 C)

RIBBON SPECIFICATIONS

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

Backcoating →
PET film →
Ink layer(s) →

Ink:
Wax/Resin.
Melting point:
75°C / 167°F
(ARMOR procedure).
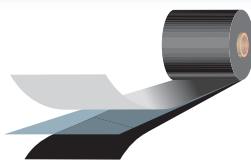
Storage:
12 months, 5-35°C (40-95°F),
20-80 % Humidity Rate.

PET film:
Thickness: 4.5 µm.

Ribbon:
Thickness (black): < 9 µm.
The ribbon is anti static build-up treated.

SUSTAINABLE DEVELOPMENT

ARMOR evaluation of APR®6:
To be compared with our other products.

Environment

Economy

The film is produced in one of the industry's most organised and awarded factories:

afaq
ISO 9001
ISO 14001
OHSAS 18001
ISO 50001

Quality, health, safety and environment certifications:
ISO 9001: 2008
OHSAS 18001: 2007
ISO 14001: 2004
ISO 50001: 2011

Responsible Care: International Council of Chemical Associations' charter towards constant improvements in health, safety and environment.

Global Compact: UN initiative inviting companies to apply fundamental ethical and environmental values.

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

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