THERMAL TRANSFER RIBBON

AXR®600

SUPER PREMIUM RESIN FOR NEAR EDGE PRINTERS

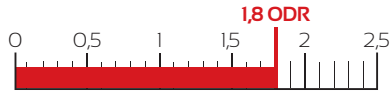**EXCELLENT RESISTANCE TO SMUDGE AND SCRATCH**

EXCELLENT PRINTING QUALITY, SENSITIVITY AND RECEPTOR MULTI-COMPATIBILITY

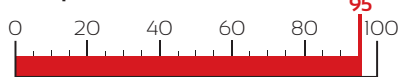**GOOD RESISTANCE TO HIGH TEMPERATURE**

AXR®600 is the standard resin ribbon of the ARMOR range for Corner Edge and Near Edge printers. It has become a reference for its sharpness. It is also unequalled as regards to its high level of mechanical resistance and its ability to print at high speed.
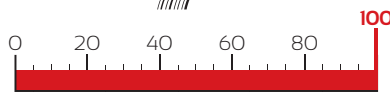
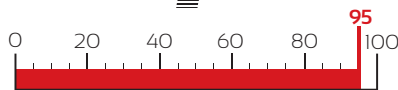## PRINTING QUALITY

Blackness Macbeth D19C

1,8 ODR
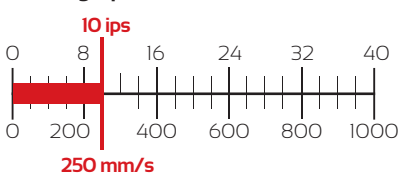0   0,5   1   1,5   2   2,5

Sharpness

95
0   20   40   60   80   100

0°Barcode

100
0   20   40   60   80

90°Barcode

95
0   20   40   60   80   100

SENSITIVITY

Printing Speed

10 ips
0   8   16   24   32   40
0   200   400   600   800   1000
250 mm/s

Energy

AXR®600
wax   wax/resin   resin
Low   Medium   High
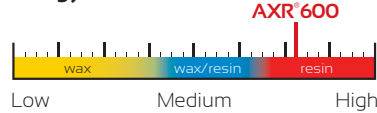
Receptor Compatibility

Uncoated papers	—
Coated papers	●
High gloss papers	● ●
Synthetics	● ● ●

RESISTANCES

Mechanical Resistance

Crockmeter, 680 g/cm², printout still visible after 200 cycles.

95
0   20   40   60   80   100
wax   wax/resin   resin

Heat Resistance

180°C
0   50   100   150   200   250
wax   wax/resin   resin
32   100   200   300   400   500
356°F

Other Resistances

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

Water
Submerge: 0   20   40   60   80   100

Solvents   0   20   40   60   80   100
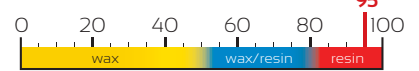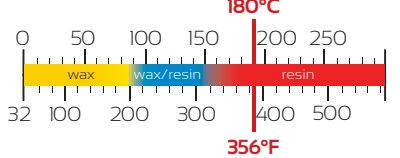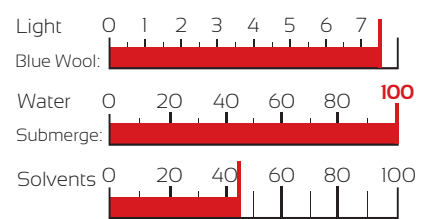
Rubtester: 939g, no damage after ... cycles :

IPA:	5	Ethanol:	5
Mineral Spirit:	30	Unleaded gasoline 98:	nr*
Motor oil:	250	Brake fluid:	nr*

* not recommended

APR®600	APX®650	AXR®600	AXR®800	AXR®900
	lower	RESISTANCE	higher	
	higher	SENSITIVITY	lower	
	higher	PRINTING SPEED	lower	

ARMOR
MAKING THERMAL TRANSFER EASIER

THERMAL TRANSFER RIBBON

AXR®600

SUPER PREMIUM RESIN FOR NEAR EDGE PRINTERS

APPLICATION FIELDS

The characteristics of AXR®600 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 (485C)
- 🟢 Green (Green C)

RIBBON SPECIFICATIONS

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

→ Backcoating
→ PET film
→ Ink layer(s)

Ink:
Resin.
Melting point:
80°C / 176°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 AXR®600:
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   ISO 14001: 2004
OHSAS 18001: 2007   ISO 50001: 2011

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

THE GLOBAL COMPACT WE SUPPORT

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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