AXR® 600

SUPER PREMIUM - RESIN
FOR CORNER EDGE & NEAR EDGE

- **EXCELLENT RESISTANCE TO SMUDGE AND SCRATCH**
- **EXCELLENT PRINTING QUALITY, SENSITIVITY AND RECEPTOR MULTI-COMPATIBILITY**
- **GOOD RESISTANCE TO HIGH TEMPERATURE**

AXR® 600 is dedicated to applications requiring perfect print quality and excellent mechanical resistance.

The ink provides an excellent printing quality of all types of barcodes, very small text, large characters, and logos, at a blackness above 1.8 (ODR).

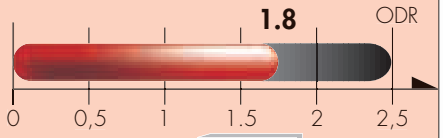
The ribbon structure allows printing on many kinds of synthetics (PVC, PET, PE, PP), and on various matt and glossy coated papers. The printed image offers an excellent smudge and scratch resistance, and good heat resistance, up to 180°C (356°F).

Those characteristics remain at speeds up to 250 mm/s (10 ips), and with 200, 300 and 600 DPI printheads, making this ribbon perfectly adapted to the labeling market, and allowing its use in the flexible packaging printing market.

AXR® 600 features Armor outstanding backcoat technology ensuring excellent printhead protection, no clogging and prevents static build up.

PRINTING QUALITY

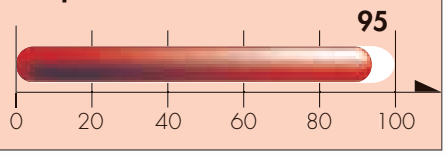
Blackness



0° Barcode

90° Barcode

Sharpness

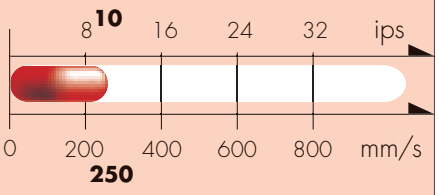


SENSITIVITY

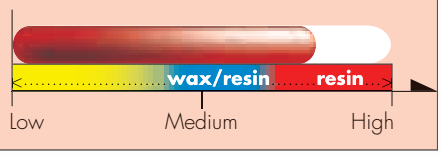
Receptor Compatibility

Uncoated papers	–
Coated papers	●
High gloss papers	●
Synthetics	●●

Printing Speed

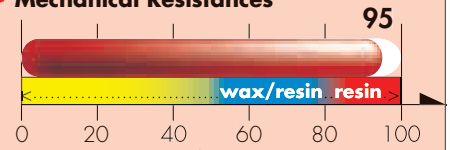


Energy



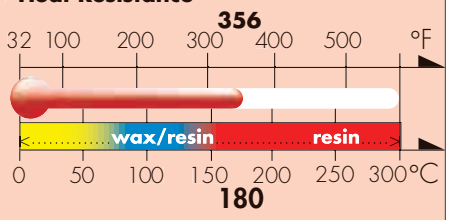
RESISTANCES

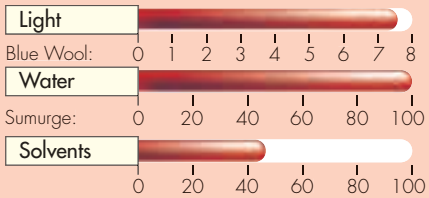
Mechanical Resistances



Crockmeter, 680 g/cm², no damage after 200 cycles.

Heat Resistance





Rubtester: 939 g, no damage after ... cycles :

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

* not recommanded

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

600	700	650	600	800	900
APR®		APX®	AXR®		
WAX/RESIN			RESIN		

CORNER EDGE AND NEAR EDGE RANGE

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

ARMOR

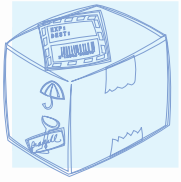
MAKING THERMAL TRANSFER EASIER

AXR® 600

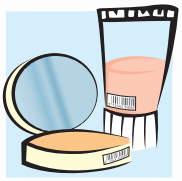
EXAMPLES OF APPLICATION FIELDS

The characteristics of AXR® 600 answer the requirements of the following application fields :

Inventory

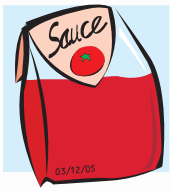

Shipping

Pharmaceutical

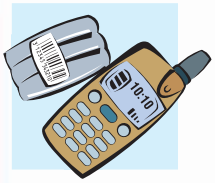

Cosmetics

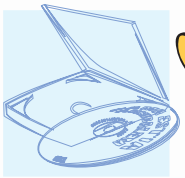
Flexible Packaging

Flexible Packaging for frozen applications



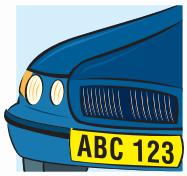
Flexible Packaging for hot processes


Rating plates


CDs

Retail labeling

Care labels

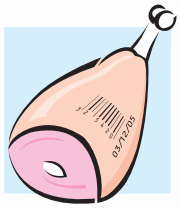


Signage & Logos

Laboratory

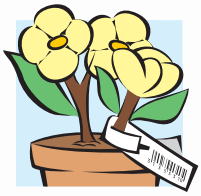
Healthcare

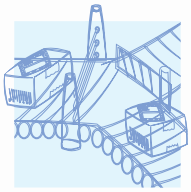
Tags

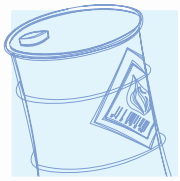


Direct food contact

Livestock


Outdoor applications

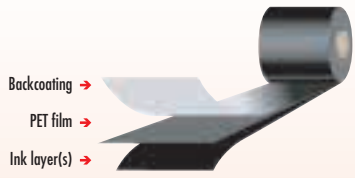

Conveyor sorting


Chemical drums

Automotive

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

RIBBON SPECIFICATIONS



Backcoating: Silicon based. Friction coefficient: Kd < 0.2
PET film: Thickness: 4.5µm Tearing resistance: > 300 N/mm (MD)
Ink: Resin Melting point: 80 °C (176 °F) (Armor 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

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 (192 C)

light green (Green C)

Performances exposed in this sheet are for the black ribbon.

MAP605

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