

AXR[®] 8

SUPER PREMIUM - RESIN
FOR FLAT HEAD

THERMAL TRANSFER RIBBONS

AXR[®] 8 is dedicated to applications requiring a very good level of chemical and heat resistance in addition to a perfect printing quality and excellent mechanical resistances.

The ink provides excellent print quality of all types of barcodes, very small text, large characters and logos, at a blackness up to 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, very good heat resistance, up to 250°C and very good resistance to various solvents.

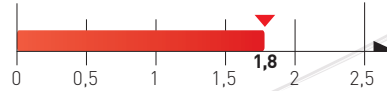
Those characteristics remain at speeds up to 200 mm/s (8 ips) and with 200, 300 and 600 DPI printheads, making this ribbon perfectly adapted to the durable labelling market.

AXR[®] 8 grade features ARMOR's outstanding backcoat technology, ensuring excellent printhead protection, preventing clogging and static build-up.

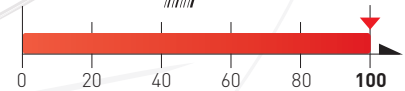
- ▶ EXCELLENT RESISTANCE TO SOLVENTS AND TO HIGH TEMPERATURE
- ▶ EXCELLENT RESISTANCE TO SMUDGE AND SCRATCH
- ▶ EXCELLENT PRINTING QUALITY

PRINTING QUALITY

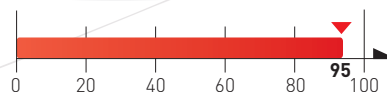
Blackness
Macbeth D19C



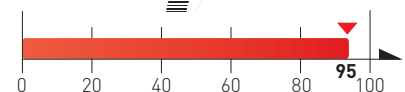
0°Barcode



Sharpness

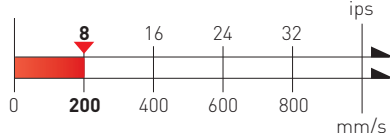


90°Barcode



SENSITIVITY

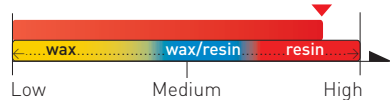
Printing Speed



Receptor Compatibility

Uncoated papers	—
Coated papers	—
High gloss papers	■
Synthetics	■ ■

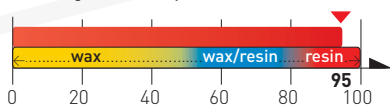
Energy



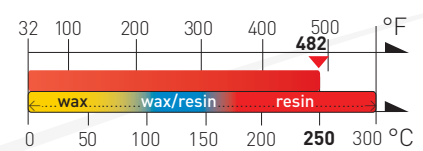
RESISTANCES

Mechanical Resistances

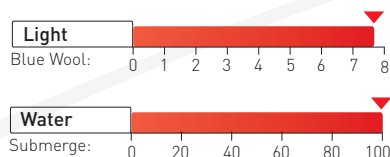
Crockmeter, 680 g/cm²,
no damage after 200 cycles.



Heat Resistance



Other Resistances



Solvents

Scale	0	20	40	60	80	100
Value						100

Rubtester: 939g, no damage after ... cycles :
 IPA: 200 Ethanol: 80
 Mineral Spirit: 80 Unleaded gasoline 98: 10
 Motor oil: 250 Brake fluid: 10

Evaluation of observed performances of the ribbon with optimised printer settings and receptors [ARMOR procedure].

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COLOUR RANGE

For colours, please refer to the AXR[®]7+ colour range.



Black

▶ EXAMPLES OF APPLICATION FIELDS

The characteristics of AXR[®] 8 answer the requirements of the following application fields:
(If your application is not among the ones below, please contact us.)



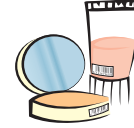
Inventory



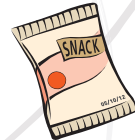
Shipping



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 AND APPROVALS

Food contact: This ribbon is compliant with the European Directive 1935/2004/EC.

UL Approved: Legibility and durability of the printed label.

Heavy metals: The ribbon is compliant with EC 95/638. SGS reports available upon request.

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

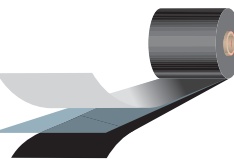
REACH: As a European manufacturer, ARMOR is completely fulfilling REACH requirements. Our ribbons are free from the Substances of Very High Concern (SVHC).

CP65: The ribbon is free from the substances listed.

Contact us for all other regulations linked to product compliance with toxicity, treatment of wastes, banned components, packaging, etc.

▶ 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: $> 300 \text{ N/mm}^2$ (MD).

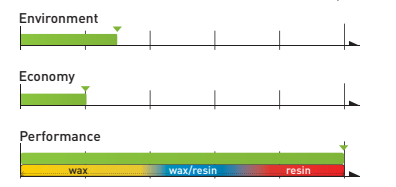
Ink:
Resin.
Melting point: 85°C
(ARMOR procedure).

Ribbon:
Thickness (black): $< 8 \mu\text{m}$.
The ribbon is anti static build-up treated.
Storage: 12 months, 5-35°C (40-95°F),
20-80 % Humidity Rate.

SUSTAINABLE DEVELOPMENT

ARMOR evaluation of AXR[®]8:

To be compared with our other products.



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

DECAPLAN:

Sustainable development action plan based on 10 leading topics involving all profiles of the company.



Global Compact:

UNO initiative inviting companies to apply fundamental ethical and environmental values.



Responsible Care:

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



Quality, health, safety and environment certifications:

ISO 9001 : 2008, N°QUAL/2007/28312
ISO 14001 : 2004, N°ENV/2007/28315
OHSAS 18001 : 2007, N°SMS/2007/28316



AFAQ 1000NR (means millennium):

Evaluation of companies' state of advancement in sustainable development. ARMOR, 1st company to reach "Exemplary" level.

