STANDARD - WAX FOR FLAT HEAD

> PARTICULARLY ADAPTED TO ALL KINDS **OF PAPER SUBSTRATES**

- **VERY GOOD SENSITIVITY**
- EXCELLENT BLACKNESS

THER

The ribbon structure allows printing on all kinds of papers **PRINTING QUALITY** Blackness and uncoated papers in particular. Macbeth D19C This feature makes the ribbon highly recommended to the standard labelling market. Ó 0,5 Printing is also possible onto Sharpness various synthetics.

AWR[®]470

The printed image offers heat resistance up to 60°C.

AWR® 470 is a general purpose

ribbon particularly adapted to

The ink provides excellent printing quality of standard barcodes, very small text, large

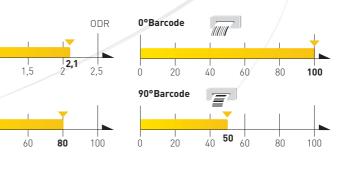
characters and logos, at a blackness up to 2.1 (ODR).

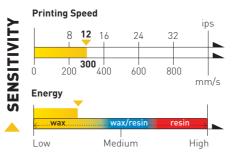
standard label printing.

Those characteristics remain at speeds up to 300 mm/s (12 ips) and with 200, 300 and 600 DPI printheads.

AWR® 470 grade features ARMOR's outstanding backcoat technology, ensuring excellent printhead protection, preventing clogging and static build-up.







Mechanical Resistances Crockmeter, 680 g/cm²,

101 20

Light

Blue Wool

Water Submerge

Other Resistances

RESISTANCES

Ó

printout still visible after 200 cycles

40

60

20 40 60 80 100

80

5

100

Ó

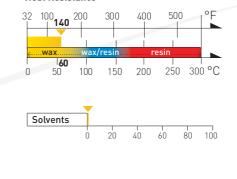
20

40

Receptor Compatibility

| Uncoated papers | |
|-------------------|---|
| Coated papers | |
| High gloss papers | |
| Synthetics | _ |

Heat Resistance



Evaluation of observed performances of the ribbon with optimised printer settings and receptors (ARMOR procedure).



AWR[®]470

AWR[®]47

STANDARD - WAX FOR FLAT HEAD

COLOUR RANGE

Data exposed in this sheet are for the black ribbon. Printing performance of the colour ribbons are close to black ones.



Gold (874 C)



Light Red

(1787 C)

Light Green

(Green C)

EXAMPLES OF APPLICATION FIELDS

THE

The characteristics of AWR[®] 470 answer the requirements of the following application fields: (If your application is not among the ones below, please contact us.)

SFER"RIBBD



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

Halogen: this ribbon is halogen free.

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

RIBBON SPECIFICATIONS



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

PET film: Thickness: 4.5 µm. Tearing resistance: > 300 N/mm²(MD).

Ink: Wax. Melting point: 65°C (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.

SUSTAINABLE DEVELOPMENT



SolFree® is a unique process developped by ARMOR enabling the usage of Ø solvents

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:

national 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

OHSAS 18001 : 2007, N°SMS/2007/28316 AFAQ 1000NR (means millennium)

ISO 14001 : 2004. N°ENV/2007/28315

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

MAKING THERMAL TRANSFER EASIER