**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<sup>®</sup>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/cm<sup>2</sup>,

**10**1 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<sup>®</sup>470

# AWR<sup>®</sup>47

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#### **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**

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The characteristics of AWR<sup>®</sup> 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/mm<sup>2</sup>(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