- VERY GOOD SENSITIVITY
- **EXCELLENT BLACKNESS**

AWR® 470 is a general purpose ribbon particularly adapted to standard label printing.

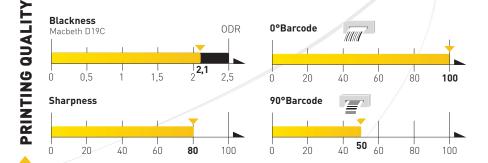
The ink provides excellent printing quality of standard barcodes, very small text, large characters and logos, at a blackness up to 2.1 (ODR).

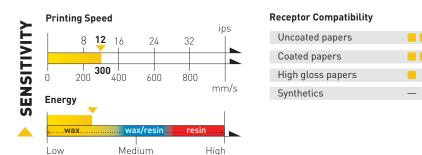
The ribbon structure allows printing on all kinds of papers and uncoated papers in particular. This feature makes the ribbon highly recommended to the standard labeling market. Printing is also possible onto various synthetics.

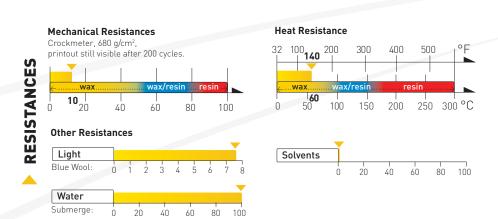
The printed image offers heat resistance up to 60°C.

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.







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



AWR® 470

STANDARD - WAX FOR FLAT HEAD

COLOR RANGE

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







(874 C)

Black Dark Blue (286 C)



Light Red Light Green (1788 C) (Green C)

EXAMPLES OF APPLICATION FIELDS

The characteristics of AWR $^{\odot}$ 470 answer the requirements of the following application fields: (If your application is not among the ones below, please contact us.)



CERTIFICATIONS AND APPROVALS

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

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).

TSCA: The ribbon does not contain any substance of this list.

CP65: The ribbon is free from the substances listed except carbon black.

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).

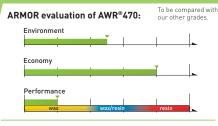
Ink:

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

The film is produced in one of the industry's most organized 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.





