



AWR[®] 470

STANDARD - WAX
FOR FLAT HEAD

• PARTICULARLY ADAPTED TO ALL KINDS OF PAPER SUBSTRATES

• VERY GOOD SENSITIVITY

• EXCELLENT BLACKNESS

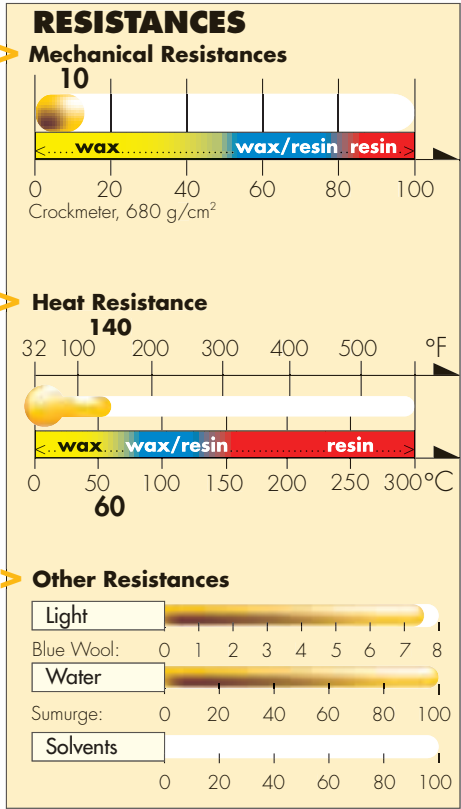
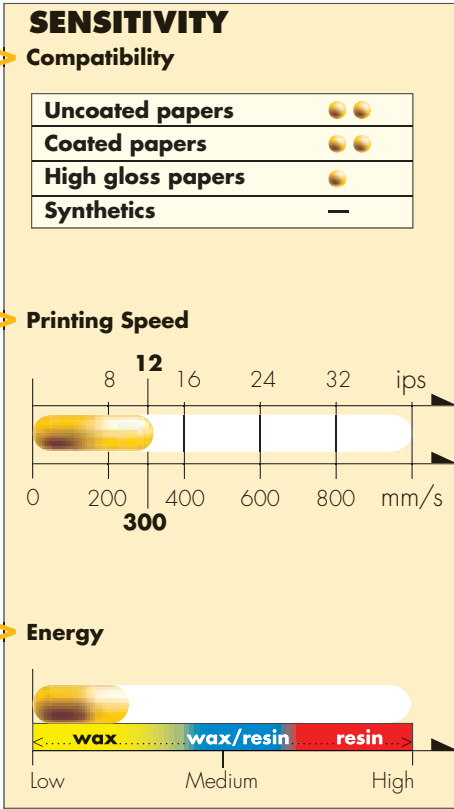
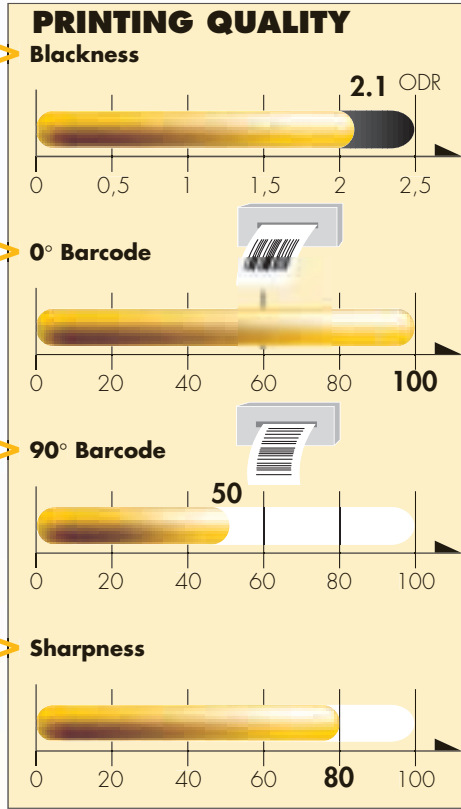
AWR[®] 470 is a general purpose ribbon particularly adapted to standard label printings.

The ink provides an excellent printing quality of picket barcodes, very small text, large characters, and logos, at a blackness above 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 European market. Printing is also possible onto various synthetics. The printed ink offers heat resistance up to 60°C (140°F).

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

AWR[®] 470 features Armor outstanding backcoat technology ensuring excellent printhead protection, no clogging and prevents static build up.



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

210	470	100	500	503	5	7+	8	9
AWR [®]		AWX [®]		APR [®]		AXR [®]		
WAX				WAX/RESIN		RESIN		
F	L	A	T	H	E	A	N	G

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





AWR[®] 470

EXAMPLES OF APPLICATION FIELDS

The characteristics of AWR[®] 470 answer the requirements of the following application fields :



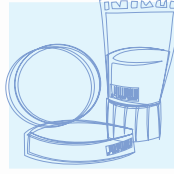
Inventory



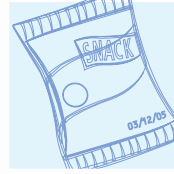
Shipping



Pharmaceutical



Cosmetics



Flexible Packaging



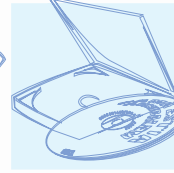
Flexible Packaging for frozen applications



Flexible Packaging for hot processes



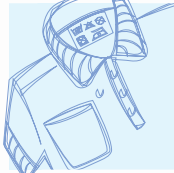
Rating plates



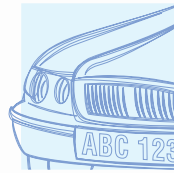
CDs



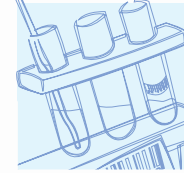
Retail labeling



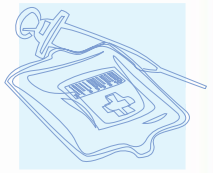
Care labels



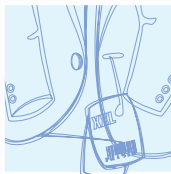
Signage & Logos



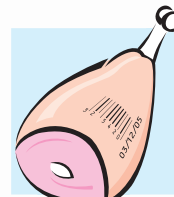
Laboratory



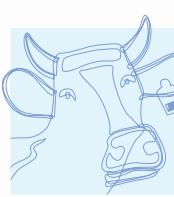
Healthcare



Tags



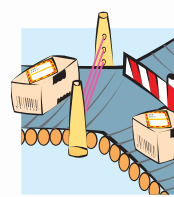
Direct food contact



Livestock



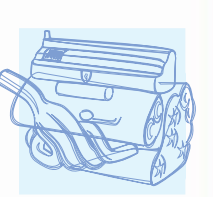
Outdoor applications



Conveyor sorting



Chemical drums



Automotive

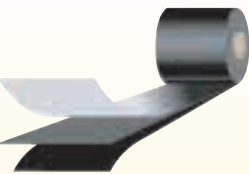
If your application is not among the ones above, please contact us.

RIBBON SPECIFICATIONS

Backcoating →

PET film →

Ink layer(s) →



Backcoating:
Silicon based.
Friction coefficient: $K_d < 0.2$

PET film:
Thickness: 4.5 μm
Tearing resistance: $> 300 \text{ N/mm (MD)}$

Ink:
Wax
Melting point: 65 °C (149 °F)
(Armor procedure)

Ribbon:
Thickness (black): $< 9 \mu\text{m}$
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)

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



yellow



magenta



cyan



brown
(478 C)



light red
(185 C)



fluorescent
(805 C)



gold
(874 C)



light green
(Green C)



blue
(286 C)



grey
(Warm grey 9 C)

Performances exposed in this sheet are for the black ribbon

ARMOR

MAKING THERMAL TRANSFER EASIER

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