AXR®9

SUPER PREMIUM RESIN FOR FLAT HEAD PRINTERS
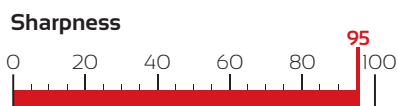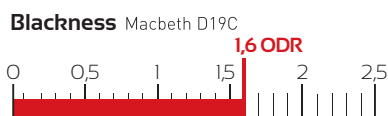
EXCELLENT PRINTING QUALITY ON TEXTILE MATERIALS

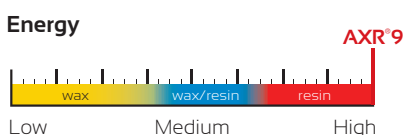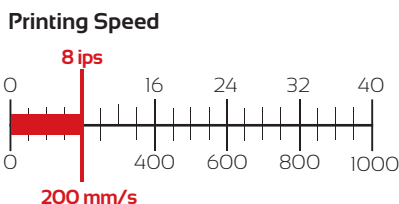**EXCELLENT RESISTANCE TO WASHES AND DRY CLEANING**

VERY GOOD RESISTANCE TO IRONING

AXR®9 is a resin ribbon designed for the textile label printing market. It can also represent a relevant solution for niche resin applications (involving for example sterilization or resistance to some solvents) which are not satisfied by other resin ribbons.
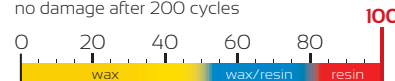
PRINTING QUALITY

Blackness Macbeth D19C
1,6 ODR
0   0,5   1   1,5   2   2,5

Sharpness
95
0   20   40   60   80   100

0°Barcode
100
0   20   40   60   80

90°Barcode
95
0   20   40   60   80   100

SENSITIVITY

Printing Speed
8 ips
0   16   24   32   40
0   400   600   800   1000
200 mm/s

Energy
AXR®9
wax   wax/resin   resin
Low   Medium   High

Receptor Compatibility

Uncoated	
Coated	●
High gloss	● ●
Synthetics	● ● ●
Cotton	● ● ●
Acetate	● ● ●
Polyester	● ● ●

RESISTANCES

Mechanical Resistance
Crockmeter, 680 g/cm². For reference only, no damage after 200 cycles
100
0   20   40   60   80
wax   wax/resin   resin

Heat Resistance
200°C
0   50   100   150   250
wax   wax/resin   resin
32   100   200   300   500
392°F

Other Resistances

Light   0 1 2 3 4 5 6 7
Blue Wool:

Water   0 20 40 60 80 **100**
Submerge:

Washing   0 20 40 60 80 100
Home:
Industrial:
Dry cleaning:
Bleach:
Ironing:
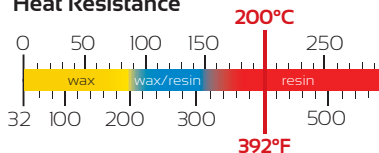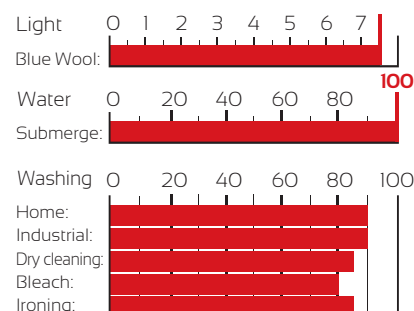
AWR®1   AWR®8   AWX®FH   APR®6   APX®FH+   AXR®1   AXR®7+   AXR®8   AXR®9

AXR®EL
Specialty resin
AXR®TX

complementary —— **SOLVENT RESISTANCE**

complementary —— **MATERIAL COMPATIBILITY**

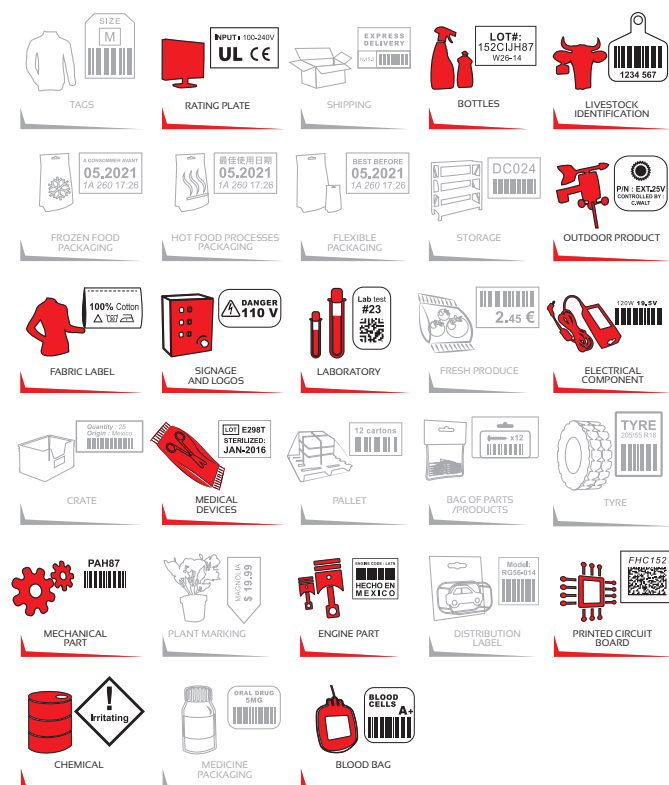lower —— **TEXTILE APPLICATIONS**

ARMOR
MAKING THERMAL TRANSFER EASIER

AXR®9

SUPER PREMIUM RESIN FOR FLAT HEAD PRINTERS

APPLICATION FIELDS

The characteristics of AXR®9 answer the requirements of the following application fields:

TAGS	RATING PLATE	SHIPPING	BOTTLES	LIVESTOCK IDENTIFICATION
FROZEN FOOD PACKAGING	HOT FOOD PROCESSES PACKAGING	FLEXIBLE PACKAGING	STORAGE	OUTDOOR PRODUCT
FABRIC LABEL	SIGNAGE AND LOGOS	LABORATORY	FRESH PRODUCE	ELECTRICAL COMPONENT
CRATE	MEDICAL DEVICES	PALLET	BAG OF PARTS /PRODUCTS	TYRE
MECHANICAL PART	PLANT MARKING	ENGINE PART	DISTRIBUTION LABEL	PRINTED CIRCUIT BOARD
CHEMICAL	MEDICINE PACKAGING	BLOOD BAG		

CERTIFICATIONS

REACH / SVHC Free: 1907/2006/EC

Heavy metals: - 2002/95/EC
              - 2002/96/EC
              - 2011/65/EC

California Proposition 65

Halogen Free

COLOUR RANGE

● Black

RIBBON SPECIFICATIONS

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

Backcoating →
PET film →
Ink layer(s) →

Ink:
Resin.
Melting point:
85°C / 185°F
(ARMOR procedure).

Storage:
12 months, 5-35°C (40-95°F),
20-80 % Humidity Rate.

Ribbon:
Thickness (black): < 8 μm.
The ribbon is anti static build-up
treated.

PET film:
Thickness: 4.5 μm.

SUSTAINABLE DEVELOPMENT

ARMOR evaluation of AXR®9:
To be compared with our other products.

Environment

Economy

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

afaq
ISO 9001
ISO 14001
OHSAS 18001
ISO 50001

Quality, health, safety and environment certifications:
ISO 9001: 2008   ISO 14001: 2004
OHSAS 18001: 2007   ISO 50001: 2011

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

Global Compact: UN initiative inviting companies to apply fundamental ethical and environmental values.

All ARMOR product sheets are available on our website: www.armor-tt.com

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