



# AXR®TX

SPECIALITY RESIN FOR FLAT HEAD PRINTERS

## Thermal Transfer ribbon by ARMOR specially designed for the textile industry

AXR®TX has been specially designed to meet ARMOR's high-quality standards, offering optimum durability in line with the highly specific demands of textile product life cycles.



### TEXTILE PRODUCT LIFE CYCLES

Product use and cleaning methods subject printed textile labels to a variety of aggressions. So the printed image label must offer durable resistance to a number of processes:



### AXR®TX: GUARANTEES LEGIBLE AND DURABLE PRINTING

- Ensures that information remains legible while withstanding the stresses that the product is subjected to during its life cycle, from production to usage.
- Guarantees compatibility with the range of receptors used in the textile industry.
- Protects both the environment and the user, a priority for ARMOR. AXR®TX is composed of a film 10% thinner than a traditional ribbons, helping to reduce waste.



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## RESISTANCE



• **Machine wash**

EN ISO 105-E01 : 2010  
Colour fastness in water.

EN ISO 6330/A1 : 2009  
Domestic washing and drying procedures for textile testing.

• **Dry cleaning**

EN ISO 105-D01 : 2010

Colour fastness to dry cleaning using perchlorethylene solvent.



• **Rubbing**

EN ISO 105-X12: 2003

Colour fastness to rubbing.

• **Sweat**

EN ISO 105-E04 : 2009

Colour fastness to sweat.



• **Other resistance:**



Stonewash



Bleach



Crease removal



Ironing



UV

## SUBSTRATE COMPATIBILITY

Care labels



- ↳ Nylon (Polyamide) ✓
- ↳ Polyester ✓
- ↳ Satin ✓



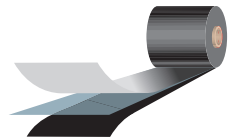
Compatible with RFID technology.

## PRINTING CHARACTERISTICS

- **Blackness** (DOR : 1.90)
- **Sharpness** (logos and small characters)
- **Barcode at 0°** (ANSI A)
- **Barcode at 90°** (ANSI A)
- **Printing speed:** 4.5 ips - 115 mm/s

## RIBBON SPECIFICATIONS

- **Back:** Silicon-based
- **Friction coefficient:** Kd<0.2
- **Ink:** Resin.
- **Melting point:** 75°C / 167F°
- **PET film thickness:** 4 µm
- **Storage:** 12 months, 5-35°C (40-95°F), 20-80% humidity.
- **Ribbon thickness:** < 8 µm



## CERTIFICATIONS

- REACH / SVHC : 1907/2006/EC
- Heavy metals
  - 2002/95/EC
  - 2002/96/EC
  - 2011/65/EC
- Halogens EN 14582 : 2007

## SUSTAINABLE DEVELOPMENT

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



**Quality, Safety, Environment:**

- 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 data sheets are available at our website [www.armor-tt.com](http://www.armor-tt.com)