

# Technical Data Sheet

Version. 4.01



## PoColor™ (Solvent based Digital Ink)

### Description

AT Inks, PoColor™ Grade, was designed keeping in mind the need for low odor and high speed printing machines. It has a high optical density and superior color gamut. It is best suitable for use of indoor and outdoor signage. AT Inks, PoColor™ Grade has a better outdoor life compared to many competitive products. It gives a better reliability and jetting performance for high speed printing machines.



### Benefits and Advantages

AT Inks, PoColor™ Grade is an environment friendly product with low odor, superior color gamut and has excellent substrate compatibility. It is designed for good reliability and jetting performance with multiple printheads, especially Konica Minolta\* (512i and 1024i) and other such high speed printheads. These inks are available in two versions i.e. PoColor™ and PoColor™ Vista™.

### Field of use

AT Inks, PoColor™ Grade is compatible with the following printhead manufacturer's products i.e. Konica Minolta\*, Seiko\*, FUJIFILM Dimatix\* (Spectra) and Xaar\*.

### Substrates

With a receptive coating, images printed with AT Inks, PoColor™ Grade can be transferred on the following substrates to create vibrant images.

- Flex/Banner
- Backlite
- Self adhesive Vinyl
- Self - adhesive PVC films (monomeric, polymeric and cast PVC films)
- Tarpaulins
- Other PVC coated materials
- Coated textiles
- One way Vision

### Compatible Printheads

AT Inks, PoColor™ Grade can be used in most of the Xaar\*, FUJIFILM Dimatix\* (Spectra), Konica Minolta\* and Seiko\* printheads with droplet size larger than 30 pl. In addition the AT Inks, PoColor™ Grade, can be used specifically for high speed printing products such as Konica Minolta\* (512i and 1024i).

### Features

- High color gamut
- Bright and vibrant colors
- Compatibility with a wide variety of media
- Suitable for high speed printing

#### PoColor™

- Specific printhead
- Low odor

#### PoColor™ Vista™

- Specific printhead
- Shorter outdoor life

### Available colors

- Cyan
- Magenta (Reddish and Bluish)
- Yellow (Golden and Lemon)
- Black
- Light Cyan
- Light Magenta
- Flush Solution
- Cleaning Solution

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## Technical Specifications

Viscosity**	: 7-17 cP
Surface Tension	: 25-45 Dynes/cm
Flash Point	: >65°C

## Standard Product Packaging

- 1L Bottle
- 5L Bottle

## Shelf Life

12 months from the date of production, when stored according to the recommended storage conditions.

## Ink Change over and Printhead Maintenance

Before change over, the printhead can be flushed using AT Inks “Flush Solution” for best results. AT Inks, strong flush can also be used with proper instruction. Failure to clean the printhead before changeover with the above flush may result in nozzle blockages. For best reliability and trouble free performance AT Inks “Cleaning Solution” should be used to clean the printheads. Contact us for ink change over procedure, if required.

## Storage Conditions

Product should be stored in original packaging in a cool/dry place between 10°C and 35°C (50-95°F) and relative humidity of 30 – 60% (non-condensating), away from direct sunlight and heat sources. Prevent freezing of this product.

## Shipping and Handling

All personnel handling these products must wear gloves and eye protection as per local laws. After use, wash hands with soap and water. Should ink come in contact with clothes, remove clothing to avoid prolonged skin exposure. Should ink come in contact with skin, wipe off with a clean, dry absorbent cloth and wash area with soap and water. Dispose containers and ink waste as per local and federal regulations. For additional safety data, please refer to SDS.

\*Trademark of respective companies.

\*\*Viscosity at room temperature.

**Disclaimer:** The information provided in Technical Data Sheet (TDS) is based on AT Inks' internal laboratory testing data. Rex-Tone industries Ltd, AT Inks, their distributors and assigns shall not be liable to any loss or damage, including such loss or damage to any third party, caused by any use of the Products which is inappropriate or not in accordance with instruction for the storage and use of the products in this TDS or in a replacing or supplementary TDS issued by AT Inks. In any event AT Inks' liability is limited to a maximum of the price of the Product(s) or the cost of replacing such Products only. AT Inks is not, in any event, liable to any other loss or damage, including consequential damages.

All technical instructions about our products and their use, if spoken, written or through test trials are to the best of our knowledge. However, it should not be considered as an assurance for certain properties of products or their suitability for each application. It will be solely your responsibility for the selection and testing of the ink for specific applications.