

# PRODUCT DATA SHEET

## Pharma Black - 45A Print Cartridge



### SPECIAL FEATURES

- Fast drying time
- High-speed printing
- Smear-resistant

### CODING AND MARKING

- Pharmaceutical packaging

## Pharma Black

It's time to start printing on pharmaceutical packaging, Pharma Black ink has been specially designed for the needs of pharmaceutical and cosmetic packaging. Pharma Black is perfectly suited for printing branding, dosage, and security information on individual package applications. Moreover, Pharma Black delivers extremely black and high-quality prints at 300 dpi on a wide range of semi-porous substrates including coatings, varnishes, and foils.

### SET FOR PHARMACEUTICAL & COSMETIC PACKAGE CODING

Pharma Black is a water-based ink that is targeting the pharmaceutical and the cosmetic industry as it has been specifically made for semi-porous media such as glossy paper, coatings, laminates, and foils, without smearing.

### BOOST OF PRODUCTIVITY

Pharma Black ink features short drying time and smear-resistant prints to increase your productivity. Pharma Black is designed to deliver extremely dark and high-resolution images even at lower dpi. Due to its superior optical density printings will not fade away after extended periods of time.

### RELIABLE AND HIGH-RESOLUTION PRINT-QUALITY

Pharma Black ink produces sharp text, crisp and high-quality images as well as consistently readable barcode symbologies at high speeds on a wide variety of semi-porous media.

#### Tritron GmbH

Bahnhofstrasse 26  
35088 Battenberg  
Germany

T +49 6452 9398 0  
info@tritron.org  
www.tritron.eu

# Pharma Black

## TECHNICAL SPECIFICATIONS

Cartridge type	HP 45A
Ink type	Water
Target substrates	Coated and glossy paper, coatings, laminates, varnishes, foils
Operational voltage	11.0 V
Pulse width	2.2 µs
Pulse warming	Off
Nozzle count	300
Print swath	12.7 mm (0.5 in)
Shelf life	12 months
Decap	> 10 minutes
Resolution	300 x 300 dpi
Storage	Store cartridges tightly closed in a well ventilated area at a controlled temperature range between 4 °C (39.2 °F) and 21 °C (69.8 °F).
Maintenance	Use a lint-free, non-tearable Texwipe® to clean cartridge. In case of persistent clogging, carefully wipe the nozzle face with a Pharma Black ink-soaked Texwipe®, wiping in a circular motion.

## PRODUCT OFFERING

All inks listed below are available in new, never used or refilled cartridges for TIJ 2.5 technology. Tritron is a licensed partner of HP® to fill brand new 45A and 45si cartridges.

## PRODUCT LINE

Part No.	Description
XH 00252	Pharma Black