

Polytij[®] POLYtij[®] Perfecta[®] Data Sheet

Technical Specifications

Key performance indicators

- Designed with a focus on CIJ & TTO applications in the FMCG market
- Dry time 1-2 seconds
- High adhesion + rub resistance (35 to 40)
- Multi shift production ready time (+18 hours)
- Amazing printhead recovery
- Minimal maintenance, no wiping required
- Utilises polymer resins for adhesion, unlike competitors that rely on solvents for absorption
- Only available in POLYtij[®] HP thermal inkjet printers

Digital Ink Technologies Pty Ltd is an official HP SPS TIJ 2.5 filling Licensee

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|-----------------------|--|
| Cartridge Type | HP 45si optimised for non-porous capabilities |
| Dry Time | 1-2 seconds at 24°C and 50% relative humidity |
| Rub Resistance | Excellent 35+ (see ink comparison chart) |
| Scratch Resistance | Excellent (see ink comparison chart) |
| Optical Density | 1.4 - 1.6 @ 300 x 400 DPI (varies with substrate surface treatments) |
| Throw Distance | Up to 12 mm, recommended 2-10 mm (character height dependant) |
| Operating Voltage | 8.7 v |
| Pulse Width | 1.8 us Pulse Warming Temp off |
| Max Print Speed | 500k drops/sec (max thermal limit) |
| Operating Temperature | 15°C - 35°C |
| Storage Temperature | 10°C - 35°C |
| Shelf Life | 12 months + (subject to storage and handling) |

Production Ready Recovery (PRT)[™]

POLYtij[®] Perfecta has the ability to sit idle for long periods of time which has changed the way we think of thermal non porous inkjet technology. With a multiple shift production ready time[™] of 18 hours+ POLYtij[®] Perfecta, combined with amazing printhead recovery means FMCG companies can now operate with minimal or no maintenance.

Designed for Text - Useby/Batch Codes

Utilising polymer resins POLYtij[®] provides excellent adhesion for most FMCG applications. Designed to print on glass, metal and plastics it sets the standard for adhesion on most substrates.

Unlike competitor inks, polymer thermal inkjet technology relies on polymer resins for adhesion, not solvents by absorption.

POLYtij[®], a unique technology

Digital Ink Technologies Pty Ltd's benchmark specifications for the performance of HP ink technology is different to standard third party HP solvent inks currently available in the market place today.

Cartridge maintenance & handling

IMPORTANT: Please perform a printhead prime before printing
Clean the printhead by wiping with a lint-free cloth.

Store the cartridge upright with the supplied bluegel cap in place.