

**Formulating a Greener World®**

# HydraJET® 2020P

Aqueous ink for porous media



# TECHNICAL DATA SHEET

HydraJET® 2020P purple aqueous TIJ 2.5 ink is designed for packaging, mailing, ticket... coding and marking applications.

HydraJET® 2020P ink provides good fade resistance and water resistance, and excellent sharpness on various porous and semi-porous substrates such as plain paper, cardboard, duplex board, and semi-porous coated papers.<sup>(1)</sup>

## Technical Specifications

| Ink name                       | HydraJET® 2020P                          |
|--------------------------------|--|
| Ink type                       | Purple dye aqueous ink                   |
| Print cartridge type           | HP 45ai                                  |
| Resolution                     | Up to 600 dpi, recommended 300 x 300 dpi |
| Nozzle count                   | 300                                      |
| Print swath                    | 12.7 mm                                  |
| Firing voltage                 | 11.0 V                                   |
| Fire pulse width               | 1.8 µs                                   |
| Pulse warming                  | OFF                                      |
| Decap time <sup>(1)</sup>      | Up to 30 min                             |
| Drying time <sup>(1)</sup>     | 1 – 3 s at 300 x 300 dpi on coated paper |
| Throw distance <sup>(2)</sup>  | Up to 3 mm, recommended 1 mm             |
| Average delivered ink          | 42 mL (vertical)                         |
| Average drop volume            | 27 pL                                    |
| Operating conditions           | 15 °C to 35 °C, 35% to 80% RH            |
| Shipping / storage temperature | 10 °C to 35 °C                           |
| Shelf life <sup>(3)</sup>      | 12 months from filling date              |

## Cartridge Shipping & Storage

- Store the cartridge with a clip placed over the printhead. Nozzles up or horizontal.
- Refer to Safety Data Sheet for more information.

## Cartridge Maintenance & Handling

- Use a lint-free cloth moistened with deionized water to clean the cartridge printhead.
- Holding the cartridge printhead face down, gently press the printhead on a lint-free cloth to allow ink to wick out. Then, slowly and lightly wipe across the tip of the long edge.
- Do not shake the cartridge.

## Ordering Information

| Product number | Product description             |
|----------------|---------------------------------|
| 2020P42A       | HydraJET® 2020P Print Cartridge |

(1) Ink performance may vary depending on substrate, printer, and environmental conditions.

(2) Recommended. May vary by application.

(3) Must be shipped and stored under recommended conditions.

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