



MP31 Multi-Purpose Inks

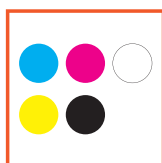
Suited for both rigid and roll media, the CMYK + White resin-based MP31 ink set comes in 500 ml packs. MP stands for “Multi-Purpose”, which refers to the unique capabilities of the inks and their extreme versatility. The inks allow direct printing on white, transparent and coloured roll & rigid substrates. Mutoh’s MP31 series inks have a UV durability up to 2 years outdoor without lamination.

The MP31 inks are particularly suited to applications that require high stretch or shrink such as thermo/vacuum-forming and shrink wrapping. Another unique appealing feature of Mutoh’s MP31 inks is that they do not require any specific inkjet coating and will preserve the natural texture and look of substrates including for example matte or glossy look.

MP31 ink is a unique alternative for existing print businesses who are not attracted to UV alternatives and print businesses exploring high quality print applications onto “exotic” media types, typically not suited/intended for inkjet printing. Moreover, the white ink and extreme stretch & shrink behaviour make it possible to explore entirely new application opportunities.

Product Highlights

- CMYK + White resin-based ink set
- No need for coated substrates
- Extensive colour gamut - deliver high quality prints
- Extremely suited for high stretch and shrink applications
- Outdoor UV resistance of up to 2 years
- Fixed and dried at regular heating temperatures
- Convenient ink packs - CMYK + White (500 ml)
- Suited for white, transparent and coloured rigid & roll media



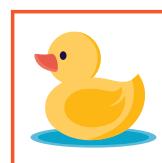
CMYK & White



Piezo Variable Drop



Free of Heavy Metals



Toy Certificate



Low Odour



Technology

Mutoh MP31 inks have been specifically developed for the piezo drop-on-demand head technology integrated in Mutoh's ValueJet 1627MH hybrid printer. The Mutoh VJ-1627MH incorporates a hot air knife media drying system, which delivers instant heating from the top, allowing drying of roll & rigid prints regardless of their thickness. A typical media surface temperature of 50 °C (or lower) enables a wide substrate compatibility. Prints are dry when they come off the printer.

Application Possibilities

The unique resin-based inks allow direct printing on rigid substrates, including foam board, cardboard, alu panel; even on acrylic sheets as well as rigid sheets (PVC, PS, PP, APET, PLA). Print on roll substrates including heat-sensitive media, shrink film, recyclable non-PVC media, etc. Deliver high quality graphics for short viewing distances such as trade show graphics, individualised wallpaper & interior decoration, posters, sign boards, cardboard etc. The MP31 inks are also suited for thermo/vacuum forming and shrink applications as well as for prints on toys.*



MP31 - Ink Volumes & Printer Compatibility

ValueJet 1627MH

500 ml pack (CMYK + White)



VJ-1627MH

* : MP31 is compliant with the European Standard on safety of toys: EN71 part3: 2013 + A1:2014.
EN71 is the European standard for toy safety testing. Part 3 concerns migration of certain elements.
The test investigates the amount of extractable metals that might be released if the tested material is exposed to saliva.
The test is relevant for all toys intended to be put in the mouth or to the mouth, cosmetics toys and writing instruments categorised as toys, which can be considered to be sucked, licked or swallowed.

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Watch movie on Mutoh Europe's YouTube channel !

