

Technical Data Sheet

Permanent Ink – PP200 Series

PP200 series permanent ink was specifically developed using dyes that are not metal complexes, whilst still having bold colours. The inks will comply with the heavy metal limits set in EN71/3 for those requiring professional inks with strict heavy metal compliance*. PP200 series permanent inks are fast drying, with enhanced adhesion to polyethylene, polypropylene, aluminium and many more non-porous substrates. Regulatory information and compliance available on request.

**the inks are not suitable for use as toys and will not pass EN71/9*

● Standard Colours

Ink Colour	Pantone References*	Typical Viscosity (20°C) (mPa.s)	Density (20°C) (g.cm ⁻³)	Surface Tension (mNm/m)
● PP200 Black	N/A	3.5	0.96	27
● PP200 Dark Blue	Pantone Violet C	3.0	0.96	27
● PP200 Light Blue	2935 C	3.0	0.96	27
● PP200 Aqua	306 C	2.5	0.96	27
● PP200 Red	3517 C	3.0	0.96	27
● PP200 Green	355 C	3.0	0.96	27
● PP200 Lime Green	7488 C	2.5	0.96	27
● PP200 Orange	158 C	3.0	0.96	27
● PP200 Yellow	129 C	2.5	0.96	27
● PP200 Bright Yellow	395 C	3.0	0.96	27
● PP200 Pink	807 C	2.5	0.96	27
● PP200 Violet	226 C	2.5	0.96	27

**Pantone references quoted are approximate to give an indication of colour shade*

● Component Selection Advice

For optimum performance, markers should ideally be stored in the horizontal orientation and should be capped securely.

Nib - Polyester or acrylic (high porosity) around 65%

Reservoir - Polyester with polypropylene wrapping and a density of 0.18 g.cm⁻³

Barrel - Polypropylene (PP), polyethylene (PE) (not suitable for aluminium barrels)

Head/tail caps - Polypropylene (PP), polyethylene (PE), BS 7272-1:2008 compliant

Please test and approve our inks in your own components

● Shelf Life

The shelf life of PP200 series inks is 12 months from receipt when stored in the original sealed containers. It is recommended to store the inks between 10°C and 30°C.

Drums should be stored for at least 24 hours at room temperature (around 20°C) and then thoroughly agitated before to use.

Caution: Permanent inks are flammable liquids, so please handle accordingly. For more information, please refer to the Material Safety Data Sheet.

✉ For further information please email lab@multichem.net

Disclaimer: It is your responsibility as the writing instrument manufacturer to establish the overall safety and fitness for purpose of the marker components incorporating our inks and to establish overall compliance to regulations and legislation related to the industry. All marker pen components should be thoroughly tested by you for compatibility with our inks. Multichem makes no guarantees (either express or implied) with respect to this technical data or our advice regarding component selection. Multichem will not accept any liability for any loss arising in connection with this technical data or the recommendations expressed within (other than that resulting from our gross negligence). Please contact your component suppliers for more specific advice regarding component suitability and selection. The information contained within this technical data sheet is not exhaustive and you should verify the performance of your final product.