

Technical Data Sheet

Tag Ink – LB9.4 Series

Our tag ink is a form of permanent ink used for marking polyurethane plastic surfaces. It varies from commonly available permanent inks in that it penetrates the surface it is used on, resulting in a truly permanent, weatherproof and light-fast mark. It was specially designed for marking tags used to identify cattle and livestock but it can also be used for marking polyurethane and polystyrene in any situation that needs protection against water and sunlight, such as garden labels. Regulatory information and compliance available on request.

● Standard Colours

Ink Colour	Pantone References*	Typical Viscosity (20°C) (mPa.s)	Density (20°C) (g.cm ⁻³)	Surface Tension (mNm/m)
● LB9.4 Black	N/A	8.0	0.94	27
● LB9.4 Red	1767 C	6.0	0.94	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%, extruded POM

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

Barrel - Polypropylene (PP), polyethylene (PE)

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 LB9.4 tag 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: Tag 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.