

## Technical Information

### L3 Fabric Marker Inks

#### General Information

Designed to mark permanently on various types of fabric. L3 will withstand numerous wash cycles in domestic washing machines and even boil wash in industrial laundry processes. Unlike other fabric marking inks, L3 does not require ironing to make a permanent mark.

- Lightfast
- Does not require ironing
- Withstands boil wash
- Permanent
- Bleed-resistant
- Xylene, toluene and benzene free

Suitable for marking clothing and laundry items eliminating the need to sew in name tags. Can also be used to mark out sewing and cutting lines or for adding artwork and designs to t-shirts.

#### Available Colours

Standard	
● Black	● Green
● Brown	● Turquoise
● Scarlet	● Blue
● Mandarin Orange	● Victoria Blue
● Yellow	● Purple
● Lemon Grass	

#### Typical Physical Properties

Ink	Viscosity (20°C) (cP)	Density (20°C) (g.cm <sup>-3</sup> )	Surface Tension (mNm/m)	pH
● Black	9.78	0.85	26	8.05
● Brown	5.90	0.84	26	7.52
● Scarlet	6.42	0.83	26	7.48
● Mandarin Orange	4.90	0.83	26	7.65
● Yellow	5.51	0.83	26	8.23
● Lemon Grass	5.11	0.83	26	7.29
● Green	5.71	0.84	26	7.48
● Turquoise	4.85	0.83	26	7.26
● Blue	5.13	0.83	26	7.50
● Victoria Blue	4.65	0.83	26	7.78
● Purple	4.62	0.83	26	7.76

**cP** = centipoise

**g.cm<sup>-3</sup>** = grams per cubic centimetre

**mNm/m** = milli Newton metre per metre

● Approvals

US	European
ASTM D-4236	EN71-9:2005
16 CFR 1500.3 (max reservoir capacity is 12ml)	EN71-3:1994
TSCA	TRA
Proposition 65	

*NB: our inks are suitable for use in marker pens intended for children of 3 years and above, however it is the pen manufacturer's responsibility to establish the overall safety and fitness for purpose of the product incorporating Multichem inks.*

**Marker Storage Advice**

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

**Component Selection Advice**

Component	Details
Nib	Polyester or acrylic (high porosity)
Reservoir	Polyester (high porosity) with polypropylene wrapping
Barrel	Polypropylene (PP)
Head/Tail Caps	Polypropylene (PP)