

Technical Information

Ball Pen Ink – Ultra Low Viscosity Range

● General Information

Multichem ball pen inks are available in three ranges – Standard, Low Viscosity and Ultra Low Viscosity. We also offer a choice of three grades – High Quality, Medium and Economy.

- Suitable for use in plastic & metal refills
- Compatible with tungsten carbide and stainless steel balls
- Suitable for ball size up to 1mm
- For use with stainless steel, nickel silver and brass housings
- Clear drain feature*
- Guaranteed shelf life of at least 2 years in PP tubes

*Variations in polymer can affect clear drain feature

We recommend that inks are trialed with the refill tubes, point construction and settings that are intended to be used. Adjustments in viscosity and rubber-elastic content are possible to suit components.

● Storage

Ball pen inks should be stored at temperatures not exceeding 30°C. Sub-zero temperatures should also be avoided. Shelf-life and performance may be affected if stored outside recommended conditions.

● Available Colours

Standard	
● Black	● Blue
● Red	

● Typical Physical Properties

Typical Physical Properties

Medium Grade

Ink	ISO 12757 Compliance		Clear Drain	Viscosity (20°C) (cP) +/- 1000	Tropicalised	pH +/- 0.5	Light Fastness	Starting
	Part 1	Part 2						
● ULV M Black 1	Yes	Yes	Yes	4000	Yes	6.6	Good	Excellent
● ULVM Black 2	Yes	Yes	Yes	4000	Yes	6.9	Good	Excellent
● ULVM Blue 1	Yes	Yes	Yes	4000	Yes	6.5	Good	Excellent
● ULVM Blue 2	Yes	Yes	Yes	4000	Yes	6.7	Good	Excellent
● ULVM Red 1	Yes	Yes	Yes	4000	Yes	6.8	Good	Excellent
● ULVM Red 2	Yes	Yes	Yes	4000	Yes	6.8	Good	Excellent

● Approvals

US	European
ASTM D-4236	EN71-3:1994