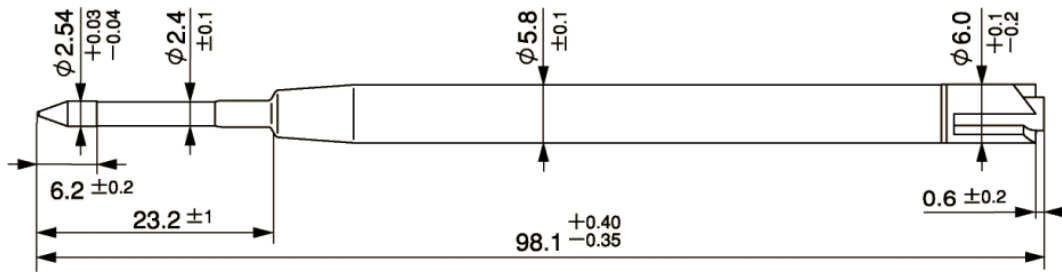


【 Silicone Carbide (SiC) Ceramic Gel Refill 】



Ink Composition: Dyestuff + Water + xanthan gum + Additives

Property: Thixotropic action

Feature: Ultra-fast drying after write out

What is Gel Ink?

It is high viscosity jelly or cream like in the barrel, but when a force from the rotation of the ball is applied, the viscosity decreases and it become more liquid and gives water-based ink writing to the paper surface. After write out, the viscosity returns to high again.

The time lag of ink absorption to the paper and return to viscosity is the key factor of the drying time after write out. In our gel ink, ink absorption to the paper is faster than return to viscosity. So it gives ultra-fast drying after write out.

Refill Mechanism

Spring Tip

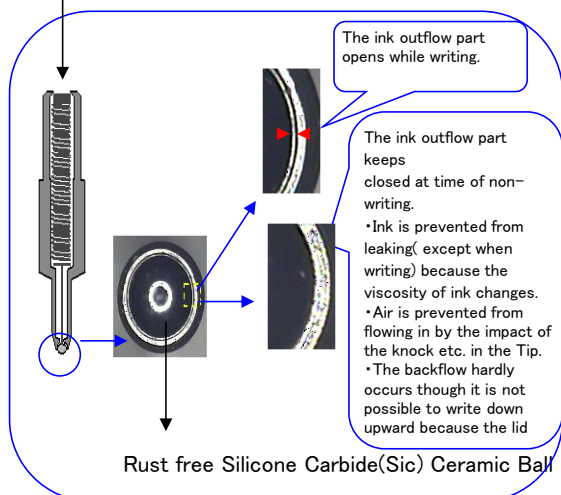
The outflow of ink is controlled(open/shut) at the tip which have spring inside. Ink is released only at time of writing.

Ink Follower

- 1) The high viscosity ink follower prevents ink dispersing due to viscosity changing characteristics of the ink.
- 2) It prevents ink evaporation also.

Gel Ink

- 1) An ink with Thixotropic action property. High viscosity during the static state but turns into low viscosity when apply physical force (e.g.writing ball rotation)
- 2) The temperature hardly influence the viscosity of the gel ink. Always the same writing taste whether it is in high temperature desert or in the freezing point.



Benefits:

- Smooth writing till last drop of ink
- Controlled ink outflow
- No blotting.
- No back side reflecting on paper

Specification:

Size: G2 compatible

Ball diameter: 0.5mm/0.7mm /1.0mm

Material:

Ball: Silicone Carbide(SiC) Ceramic

Tip shape: Cone/Needle

Tip housing:

0.5mm(SUS)/0.7mm(SUS)/1.0mm(Nicke Silver)

Barrel: Nickel silver

End plug: POM

Ink Color: Blue/Black/Red/Green/Blue black/
Orange/Pink/Violet/Sepia/Turquoise

Ink content: 0.8g

Ink follower: 0.35g(hydrocarbon base oil + Silicone base Oil)

Writing distance:

0.5mm: 700m

0.7mm: 500m

1.0mm: 300m