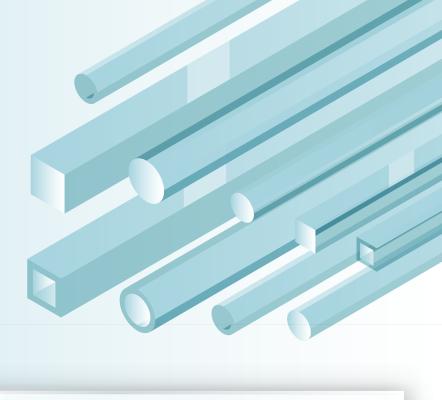
## Glass vs. Plastic: The Clear Choice for **Scientific Products**

When it comes to scientific products like cuvettes, flow cells, light pipes, prisms, lenses, and precision glass capillary tubes, the initial cost savings of plastic can be tempting. However, for serious scientific work, high performance glass offers superior performance and long-term value that plastic simply can't match.



# Why Glass is the Better Solution

1. Unmatched Optical Performance

larity & Transmission



Glass provides crystal-clear vision and high light

transmission across the UV-Vis-IR spectrum.



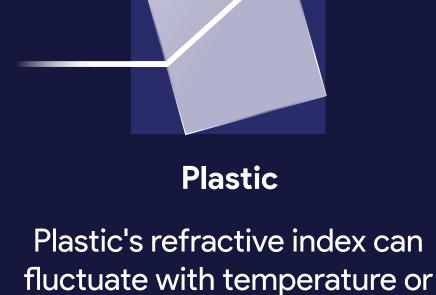
autofluorescence, and haze, compromising accurate measurements in cuvettes, flow cells, and optical components. Precision



precise alignment and consistent results needed in

lenses, prisms, and light pipes. 2. Superior Chemical Resistance & Inertness

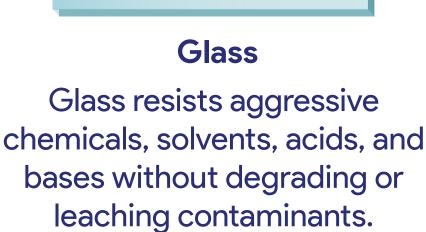
refractive index, crucial for the



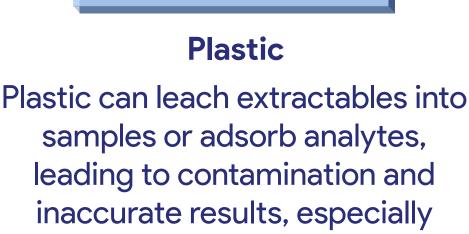
stress, leading to optical

distortions.

### **Broad Compatibility**



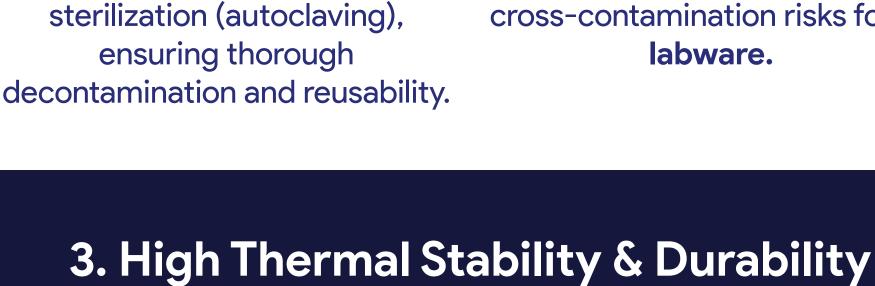
acid



critical for cuvettes, precision

acid

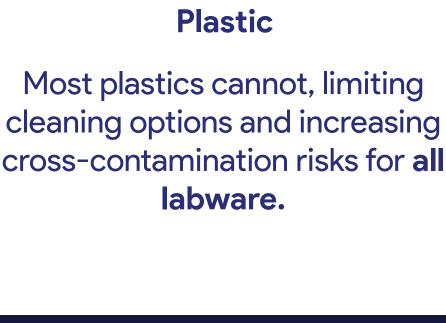
## glass capillary tubes and flow cells handling sensitive samples. Sterilization



**Glass** 

Glass withstands harsh cleaning

protocols and high-temperature



Dimensional Stability

Glass holds its precise shape over time. This

is critical for the accurate inner diameters of

Temperature Resistance

a much lower thermal tolerance.

Glass handles extreme temperature changes

temperature-controlled reactions. Plastic has

without deforming, vital for precision glass

capillary tubes in PCR or flow cells with



capillary tubes and the precise optics of lenses and prisms. Plastic can creep or warp, impacting precision. Scratch Resistance

Glass is significantly harder and more

scratch-resistant than plastic, maintaining

optical components even after repeated

the clarity and performance of cuvettes and

## **Understanding Long-Term Value** (Total Cost of Ownership)

cleaning.

Wasted **Frequent** Increased





Glass provides reliability, reproducibility, and a longer lifespan, ultimately saving you time and money.



downtime for

recalibration or

component

swaps.

replacements

due to material

degradation.

## ensure superior performance, data integrity, and

Make the Smart Investment

Choose glass for your custom scientific products to

long-term value. It's an investment in the accuracy and success of your scientific endeavors. Glass is your eco-friendly choice.



SPECIALTY GLASS PRODUCTS

