FIOLAX® Pro

Our future-proof Type I borosilicate glass tubing

Further developed Type I borosilicate glass (5.0 expansion) that offers increased application flexibility due to the absence of any heavy metal and an improved E&L profile for meeting future demands.

Premium cosmetic quality and dimensional accuracy also for FIOLAX® Pro thanks to the integration of SCHOTT's unique perfeXion® process technology and identical specification compared to FIOLAX® clear.

In the pharmaceutical industry sustainability is a given fact today. With the heavy metal free FIOLAX® Pro we intend to offer in 2025/2026 a next generation Type I glass with significantly reduced carbon emissions compared to the existing FIOLAX® Pro. We want to reach this step with help of a major change in our melting technology.

This helps us to reduce the PCF of the tubing significantly and therefore, for the final primary packaging, as well. In the future, we intend to provide information on this product on the externally certified calculation method and the PCF values calculated from it.

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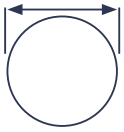
FIOLAX® Pro

Facts at a Glance

Application Portfolio

for all pharmaceutical applications:
syringes, cartridges, vials, ampoules



Outside diameter range: 6,85 – 40,00 mm,
incl. ISO as well as customized sizes

Data

Regulatory classification (e.g. USP[1]/Ph.Eur.[2]/ChP[3])	Type I
Chemical composition (main components in approx. weight %)	SiO_2 73 · B_2O_3 11 · Al_2O_3 7 · Na_2O 7 · K_2O <1 · CaO <1
Free of heavy metals	~~As~~ ~~Sb~~ ~~Sn~~
Extractables profile	Superior • does not contain any element of the ICH-Q3D class 1, 2A and 2B • persistently high hydrolytic resistance
Color	clear
perfeXion® processed	✓

Customizing options

✓ Tube-end-finish ✓ Anti-Scratch Coating ✓ Tighter tolerances ✓ Zero Defect Options

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[1] USP = United States Pharmacopoeia | [2] Ph. Eur. = European Pharmacopoeia | [3] ChP = Chinese Pharmacopoeia

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