

Corning Valor® Glass, in Stevanato Group's ready-to-use (RTU) packaging format, allows for greater flexibility in the filling process with its chemically strengthened glass and low coefficient of friction external coating.

Vial Information¹

Glass Composition²

Silicon Dioxide (SiO ₂)	73.8%
Boron Oxide (B ₂ O ₃)	<0.01%
Aluminium Oxide (Al ₂ O ₃)	10.4%
Sodium and Potassium Oxide (Na ₂ O/K ₂ O)	11.7%
Calcium and Magnesium Oxide (CaO/MgO)	3.5%
Tin Oxide (SnO ₂)	0.5%
Iron Oxide (Fe ₂ O ₃)	<400 ppm

Glass Characteristics

Ion Exchange Strengthening	Yes
Hydrolytic Resistance (ISO 719)	Meets HGB I criteria
Hydrolytic Resistance ³	Meets Type I criteria
Soluble Alkali Test (JP 7.01)	Meets criteria
Acid Resistance Class (DIN 12116)	Class S1
Alkali Resistance Class (ISO 695)	Class A2

Coating Characteristics and Properties

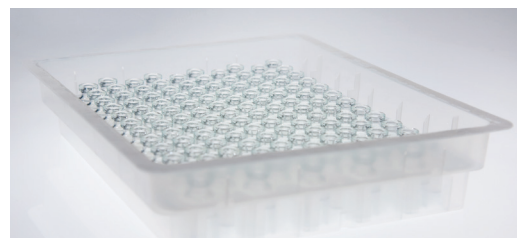
Biological Reactivity/Toxicity ⁴	Meets Class V for plastics	Appearance	Visibly transparent, colorless
Solubility – Aqueous or Organic Solvents	Below MDQ (<0.8 µg/g) volatile	Thickness	<100 nm as single layer
Organic Compounds	Below LOQ (0.5 µg/g)	Coefficient of Friction under 30N load	<0.5

Packaging and Processing Information

Valor RTU Vial Range

Custom formats available upon request

Vial SKU	Nest & Tub Format (Qty/Pk)	Tray Format (Qty/Pk)
2R	120	228
6R	48	96
10R	48	96
20R	24	60
30R	24	60



Packaging Components and Materials

Component	Material
Tub	Polystyrene
Nest	Polypropylene
Tray	Polypropylene
Sheet	PE-HD fibers
Lid	PE-HD fibers and thermosetting adhesive
SteriBag (double-bag)	PE-HD fibers HDPE

Processing

Washing	Yes
Depyrogenation	Yes
EtO Sterilization	Yes

¹ See the Corning Valor Glass Product Information document for additional information. CPT-Valor-Product-Brochure-102020

² Glass is a substance of variable composition which, by convention, is expressed in terms of oxides.

³ (Ph. Eur. (3.2.1), USP <660>)

⁴ (USP <87> & <88>)

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