

100ml Glass Syringe with SEPCO Pipetting Collar



Tomopal Part # 140-4609

Piston Outside Diameter: 35.90 mm ± 0.25 mm
Barrel Diameter Outside: 41.20 mm ± 0.75 mm
Piston Collar Diameter: 42.05 mm ± 0.65 mm
Volume: 100.0 ml ±1.5% of volume

Features:

- Designed for SEPCO Automatic Pipetting Machine, Model 40A
- The syringe is made from heat resistant borosilicate glass.
- The material and construction is resistant to breakage from shock and sudden temperature changes.
- It is annealed and tested until free of internal strain, to withstand repeated washing with hot water.
- The cylinder-plunger fit is leak proof and meets the requirements of Federal Specification GG -S- 921b.
- Plunger is individually ground and fitted to barrel for smooth movement with no back flow.

Glass Properties:

Expansion coefficient: 52 +/- 10⁻⁷ / Centigrade
Density: 2.36g +/- 0.03g CM³
Modulus of elasticity: 64 +/- 10³ mm⁻²
Water resistance: First Class
Acid resistance: First Class
Alkali resistance: First Class

Softening point: 785 @ degrees centigrade
Melting temperature: 1260 @ degrees centigrade
Strain point: 525 @ degrees centigrade
Annealing point: 570 @ degrees centigrade
Hardness: 7
Color: Clear