

100ml Glass Syringe with SEPCO Pipetting Collar



Tomopal Part # 140-7101

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 CM ³
Modulus of elasticity:	64 +/- 10 ³ 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