

100ml Glass Syringe with 3/8" UNF Threaded Nut



Tomopal Part # 140-8100

Piston Outside Diameter:	35.90 mm ± 0.25 mm
D1) Barrel Diameter Outside:	41.20 mm ± 0.75 mm
D2) Barrel Collar Diameter:	55.50 mm ± 0.75 mm
D3) Piston Collar Diameter:	42.05 mm ± 0.65 mm
L) Length:	221.50 mm ± 0.65 mm
Increment:	5.0 ml
Volume:	100.0 ml ± 1.5% of volume

Features:

- 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.
- Reinforced at 3/8" UNF threaded tip and barrel base, the points at which most breakage occur.
- The cylinder-plunger fit is leak proof and meets the requirements of Federal Specification GG -S- 921 b.
- Plunger is individually ground and fitted to barrel for smooth movement with no back flow.
- Barrel rim is flat on both sides to prevent rolling and is wide enough for convenient finger tip grip.
- The syringes are available in custom fit design. The custom fit syringes are uniquely numbered for matching piston and barrel.
- The 3/8" UNF threaded nut fitting is made from stainless steel or chrome-plated brass.
- The syringe is clearly marked with graduations of 5.0 ml and 10.0 ml. The graduations are permanently fused for lifetime legibility.

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