

250 ml Glass Syringe - Laboratory

with metal luer lock



Tomopal Part #	130-4250
Piston Outside Diameter:	42.90 mm $\pm$ 0.25 mm
D1) Barrel Diameter Outside:	47.65 mm $\pm$ 0.35 mm
D2) Barrel Collar Diameter:	61.0 mm $\pm$ 0.75 mm
D3) Piston Collar Diameter:	54.5 mm $\pm$ 0.75 mm
L) Length:	306.00 mm $\pm$ 0.75 mm
Increment:	10.0 ml
Volume:	250.0 ml $\pm$ 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 luer lock tip and barrel base, the points at which most breakage occur.
- 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 metal luer lock tip meets the specification of American National Standards for Medical Materials luer taper fitting performance, HIMA MD 70.1 - 1983.
- The metal luer lock fitting is made from nickel-plated brass and fits all female luer lock fittings.
- 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 $\pm$ 10 ⁻⁷ / Centigrade
Density:	2.33g $\pm$ 0.03g CM ³
Modulus of elasticity:	64 $\pm$ 10 ³ mm ⁻²
Water resistance:	First Class
Acid resistance:	First Class
Alkali resistance:	First Class

Softening point:	760 @ degrees centigrade
Melting temperature:	1250 @ degrees centigrade
Strain point:	500 @ degrees centigrade
Annealing point:	545 @ degrees centigrade
Hardness:	7
Color:	Clear