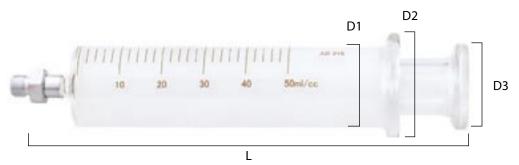


50ml Glass Syringe

with 3/8" UNF Threaded Nut



Tomopal Part # 140-4554

Piston Outside Diameter:27.45 mm ± 0.20 mmD1) Barrel Diameter Outside:32.35 mm ± 0.55 mmD2) Barrel Collar Diameter:44.00 mm ± 0.75 mmD3) Piston Collar Diameter:34.05 mm ± 0.65 mmL) Length:178.00 mm ± 0.50 mm

Increment: 2.0 ml

Volume: 50.0 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 3/8" UNF threaded tip and barrel base, the points at which most breakage occurs.
- · 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.
- · Barrel rim is flat on both sides to prevent rolling and is wide enough for convenient finger tip grip.
- The syringes available in universal fit or custom fit design. The custom fit syringes are uniquely numbered for matching.

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- The fitting is made from chrome-plated brass or SS-316.
- The syringe is clearly marked with graduations of 2.0 ml and 10.0 ml. The graduations are permanently fused for lifetime legibility.

Color:

Glass Properties:

Expansion coefficient: $52 \pm 10^{-7} / \text{Centigrade}$ Density: $2.36g \pm 10.03g \text{ CM}^3$ Modulus of elasticity: $64 \pm 10^3 \text{ mm}^{-2}$ Water resistance:First ClassAcid resistance:First ClassAlkali resistance:First Class

Softening point:785 @ degrees centigradeMelting temperature:1260 @ degrees centigradeStrain point:525 @ degrees centigradeAnnealing point:570 @ degrees centigradeHardness:7

Clear