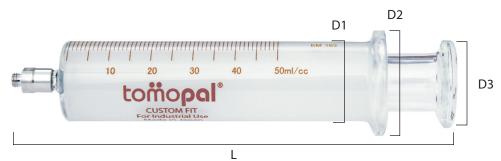
50ml Glass Syringe

with 1/4" UNF Threaded Nut



Tomopal Part #	140-7050
Piston Outside Diameter:	$27.45 \text{ mm} \pm 0.20 \text{ mm}$
D1) Barrel Diameter Outside:	$32.35 \text{ mm} \pm 0.55 \text{ mm}$
D2) Barrel Collar Diameter:	44.00 mm \pm 0.75 mm
D3) Piston Collar Diameter:	34.05 mm \pm 0.65 mm
L) Length:	179.00 mm \pm 0.50 mm
Increment:	2.0 ml
Volume:	50.0 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 1/4" 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 are available in custom fit design. The custom fit syringes are uniquely numbered for matching piston and barrel.
- The 1/4" UNF threaded nut fitting is made from Stainless steel.
- The syringe is clearly marked with graduations of 1.0 ml and 10.0 ml. The graduations are permanently fused for lifetime legibility.

Glass Properties:

Expansion coefficient:	52 +/- 10 ⁻⁷ / Centigrade	Softening point:	785 @ degrees centigrade
Density:	2.36g +/- 0.03g CM ³	Melting temperature:	1260 @ degrees centigrade
Modulus of elasticity:	64 +/- 10 ³ mm ⁻²	Strain point:	525 @ degrees centigrade
Water resistance:	First Class	Annealing point:	570 @ degrees centigrade
Acid resistance:	First Class	Hardness:	7
Alkali resistance:	First Class	Color:	Clear