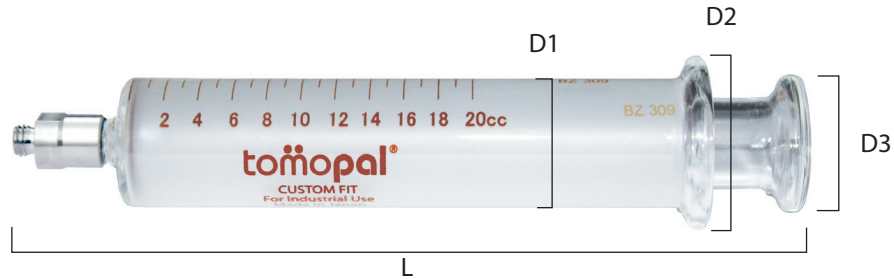


20ml Glass Syringe with 1/4" UNF Threaded Nut



Tomopal Part #	140-7020
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Piston Outside Diameter:	20.40 mm ± 0.20 mm
Barrel Diameter Outside (D1):	24.20 mm ± 0.40 mm
Barrel Collar Diameter (D2):	33.25 mm ± 0.75 mm
Piston Collar Diameter (D3):	24.65 mm ± 0.65 mm
Length (L):	146.50 mm ± 0.50 mm
Increment:	1.0 ml
Volume:	20.0 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 10.0 ml and 50 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