

FROM SIGMA-ALDRICH

PRECISION SEAL™ SEPTA

Exceptional Fit, Feel, Performance.



sigma-aldrich.com



SIGMA-ALDRICH



PRECISION SEAL™ SEPTA

SIGMA-ALDRICH, the leader in air-sensitive chemistry, proudly announces the first complete family of rubber septa that are engineered for a precision fit in standard taper glassware joints and tubes. Precision Seals are manufactured under “white room” conditions, from one certified raw material formulation for absolute consistency in all sizes, from lot-to-lot.



Exceptional Fit – The longer, tapered plug design of Precision Seal septa fits standard taper joints precisely and increases the sealing surface an average of 30% while improving glass to rubber contact up to 80%. A smooth, radial bottom edge makes insertion into joints easy.



Exceptional Feel – The flexible sleeve is tactile and grips glass joints firmly when folded over to reduce accidental pop-off during transfer operations.



Exceptional Performance – Precision Seals are made using a certified natural rubber formulation for superior resealability during use.

PRECISION SEAL™ SPECIFICATIONS

Precision Seal Septa are:

- Manufactured in white room conditions
- Made from one certified natural rubber formulation
- Have absolute consistency from lot to lot
- Fit glass joints precisely, with 80% glass to rubber contact

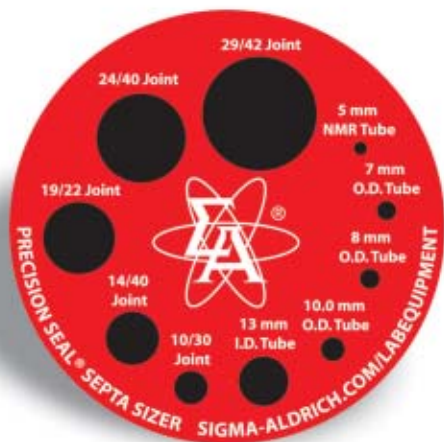
Test

Compression Recovery
Self Sealing
Strength
Puncture Target Area
Heat – Upper limit
Extractables (Hexanes)
Volatile Matter
Ash Content
Miscellaneous Assays

Result*

Excellent
Excellent
Excellent
40% greater than standard septa
85°C
1.9%
0.19%
0.24%
Rubber composition: standard rubber no. 1, accelerator, oxidizer, hard resin acid, anti-ager, lime carbonate, dye agent

*Specifications shown are typical values



Precision Seal Septa Sizer

Designed to help you find the septa you need quickly & easily.

Black buttons are raised allowing joints or tubes to be sized to its corresponding septa.

PRECISION SEAL™ SEPTA

Exceptional Fit, Feel, Performance.

	<i>White rubber</i>	<i>Red rubber</i>
For use with:	Cat. No.	Cat. No.
5mm NMR Tubes	Z553891	Z554014
7mm o.d. glass tubing	Z553905	Z554022
8mm o.d. glass tubing	Z553913	Z554030
10mm o.d. glass tubing	Z553921	Z554049
13mm i.d. tubing	Z553948	Z554057
⌘10/30 joints	Z553956	Z554065
⌘14/20 joints	Z553964	Z554073
⌘19/22 joints	Z553972	Z554081
⌘24/40 joints	Z553980	Z554103
⌘29/42 joints	Z553999	Z554111
Mixed set	Z554006	Z554138
Septa Sizer	Z561886	

Fit glassware joints or tubes over buttons to determine the septa size needed.



PRECISION SEAL™ ACCESSORIES

It is good safety practice to always secure rubber septa to glass joints with a Wrap-It Tie during transfer procedures.

Wrap-It Tie Installing Tool

Automatically adjusts Wrap-It Tie tension to desired position.
Tension activated cutting blade trims off excess tie.

Z256307

Wrap-It Ties

Self-locking, one piece nylon construction. Excellent for securing Precision Seal septa to glass joints, attachment of tubing to hose barbs or glassware, and for closing plastic bags or drum liners. Use with installing tool above.

Length (in.)	Cat. No.
4	Z105953
5.6	Z105961
7.5	Z256331



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