



GC Septa

Our GC septa is founded on unique technologies that optimize the performance of the injection port.

Features

- Very high temperatures of operation.
- Exceedingly tight requirements for low emission of volatile and liquid components.
- Resistance to sticking.

GC Septa

GC septa are preconditioned for low bleed, plasma-coated to reduce sticking, and packed in blister packs and glass jars for high purity. We have developed unique technologies while developing injection port septa for gas chromatographs. This particular application is characterized by very high temperatures of operation – to the limit of the material specification; Exceedingly tight requirements for low emission of volatile and liquid components, and a surface that needs to be resistant to sticking.



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High-Temperature Performance

Accelerated high-temperature tests show the adhesion of silicone rubber formulations to a steel plate, with and without the non-stick coating. The difference in adhesion is readily apparent. This performance means easier septum removal and less injection port cleanup.

Plasma Coating

- Non-stick surface treatment.
- Easy to change even with high temperatures.
- Stays clean, and does not attract dust.

Center Guide and Pre-Pierced Advantage

- The center point guides the needle for easy penetration.
- Reduces needle bending.
- Reduces coring and tearing.

GC septa in BTO, AG3, and Marathon formulations are precision molded with a recess on the injection side, to guide the syringe needle to the same point with every injection. The center guide design requires less force on initial penetration for a smoother feel. Pre-pierced septa give a long injection life for autosampling, reduce coring, and enhance reliable performance.

BTO Premium High-Temperature GC Septa

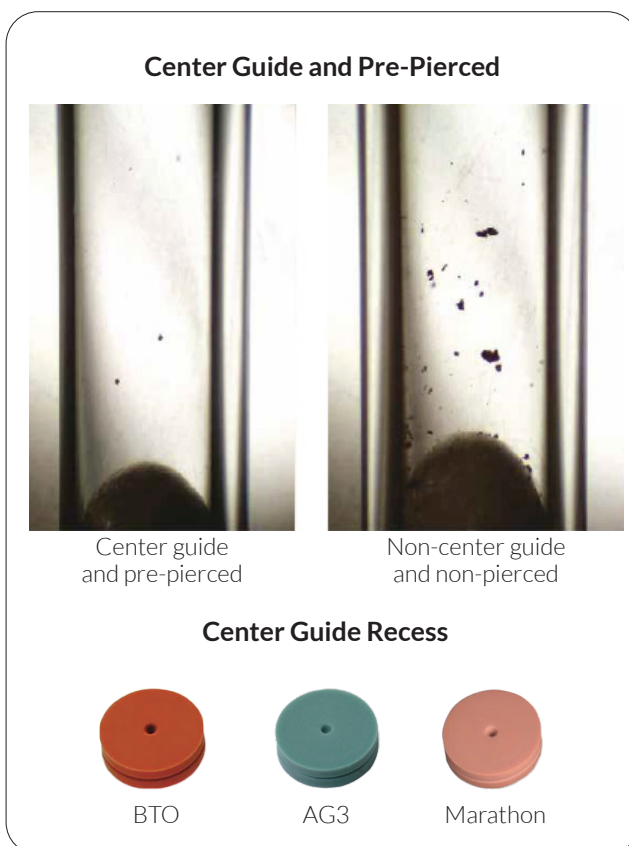
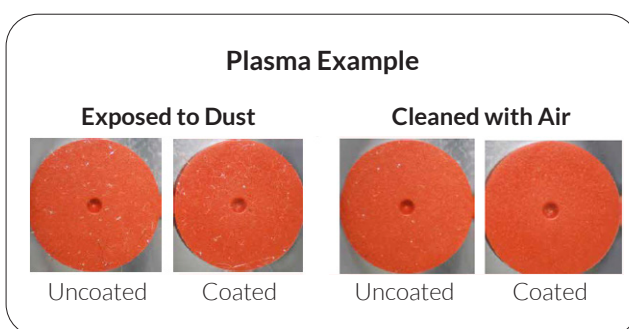
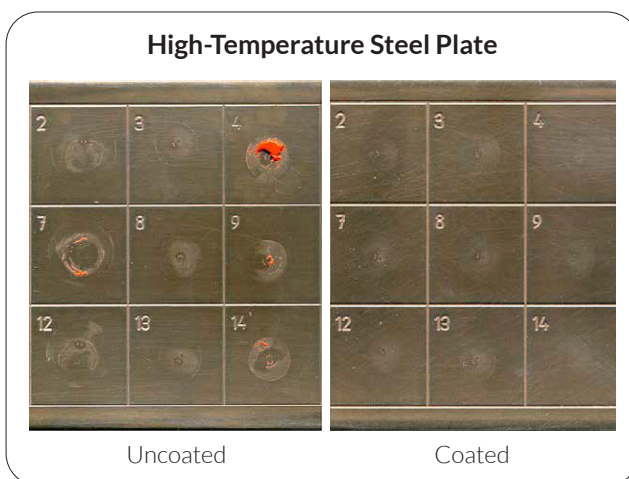
GC septa BTO is bleed and temperature optimized for the most demanding GC and GC-MS applications: it is the finest GC septum we have tested. GC septa BTO is formulated to extend low bleed and outstanding mechanical properties of premium GC septa to the highest temperature applications. It retains remarkable softness and permeability at high temperatures, with extremely low bleed, and has been optimized to reduce injection port adhesion.

AG3 Low-Bleed GC Septa

Advanced Green 3 (AG3) GC septum was created to combine significantly longer injection life, low bleed, and low injection port adhesion. The result is a green septum you can use for all your critical analyses.

Marathon Long-Life GC Septa

This is an advanced GC septum for autosampler use, with a significantly longer life. The Marathon GC septum typically achieves 400 injections without failure when used with a rounded-tip (HP-style) needle and autosampler or needle guide. Now you can make extended autosampler runs without fear of sample loss caused by blow-back of leaking carrier gas. The Marathon GC septum is also ideal for standard manual injection GC and GC-MS.



General Purpose Blue GC Septa

We offer general-purpose blue GC septa that are economical and suitable for use in many applications. While they do not have the low-bleed quality or plasma coating of the premium GC septa they do hold up well at up to 275°C and provide lower bleed levels than many low-end or generic GC septa.

Puresep T GC Septa

The Puresep T GC septa are faced with polyimide film and have a double layer of polyimide and PTFE on one side. Puresep T GC septa are not low bleed septa, and their recommended maximum temperature is 225°C. Puresep T GC septa are stamped from sheets of material to the size specified. All general-purpose septa are produced to tight tolerances in dedicated molds.

Blue GC Septa



Puresep T GC Septa



General Purpose GC Septa

Description	Part Number
5 mm OD General Purpose Blue GC Septa, Pkg. 50	CP-100003
6.4 mm (1/4") OD General purpose Blue GC Septa, Pkg. 50	CP-100004
9.5 mm OD General Purpose Blue GC Septa, Pkg. 100	CP-100005
9.5 mm (3/8") OD General purpose Blue GC Septa, Pkg. 50	CP-100006

Puresep T GC Septa

Description	Part Number
6.4 mm (1/4") OD Puresep T Coated GC Septa, Pkg. 50	CP-100000
9.5 mm (3/8") OD Puresep T Coated GC Septa, Pkg. 50	CP-100001
11 mm OD Puresep T coated GC Septa, Pkg. 50	CP-100002

Advanced Green 3 (AG3) GC Septa

Description	Part Number
6 mm OD Advanced Green 3 Center Guide GC Septa, Pkg. 50	CP-100011
9.5 mm OD Advanced Green 3 Low-bleed GC Septa, Pkg. 50	CP-100008
11 mm OD Advanced Green 3 Low-bleed Center Guide GC Septa, Pkg. 25	CP-100018
11 mm OD Advanced Green 3 Low-bleed Center Guide GC Septa, Pkg. 50	CP-100009
11 mm OD Advanced Green 3 Low-bleed Center Guide GC Septa, Pkg. 100	CP-100010
11.5 mm OD Advanced Green 3 Low-bleed Center Guide GC Septa, Pkg. 50	CP-100013
17 mm OD Advanced Green 3 Low-bleed Center Guide GC Septa, Pkg. 50	CP-100012

Marathon GC Septa

Description	Part Number
11 mm OD Marathon Long-life Center Guide GC Septa, Pkg. 100	CP-100007

Bleed Temperature Optimized (BTO) GC Septa

Description	Part Number
9 mm OD BTO Premium High-temp Center Guide GC Septa, Pkg. 50	CP-100014
11 mm OD BTO Premium High-temp Center Guide GC Septa, Pkg. 25	CP-100017
11 mm OD BTO Premium High-temp Center Guide GC Septa, Pkg. 50	CP-100015
11 mm OD BTO Premium High-temp Center Guide GC Septa, Pkg. 100	CP-100016

Other GC Septa

Description	Part Number
GC Inlet Plug Septa for Shimadzu GCs, Φ 5.5x7 mm Height: 7.5mm, Brown, Pkg. 25	CS-100064
GC Septa, Green Color, Φ 11*3mm, Temperature Resistant 250 °C, Pkg. 25	CS-100065