

Product information

June 2020

Silicone/PTFE Pharma-Fix closure, MN REF 702340

1.1. Closure features

- Only centrally laminated with PTFE in the contact area with the sample
As completely PTFE laminated liners have a very slippery surface on the glass rim of the vial, the sealing properties can considerably be improved by a PTFE layer that is only centrally laminated in the contact area with the sample. With these so-called Pharma-Fix liners the uncoated, elastomeric edge of the septa is lying on the glass rim of the vial (plunger effect).
- Lamellar designed side edges
As molded liners, the side edges of these septas are designed lamellar so that they can be well compressed during the crimping process and be firmly pressed onto the glass rim.
- Analytical purity
Designed as a Silicone/PTFE Pharma-Fix liner, the purest analytical septa material for chromatography has been used to produce this product. The compound is of the same quality as our completely PTFE-coated silicone closure 702093.
- Piercing properties
As a Silicone/PTFE closure 702340 is considerably easier to penetrate as the appropriate Butyl/PTFE Pharma-Fix closures.
- Temperature resistance
The closures may be used from -60 °C up to 200 °C.
- Drawn-in center hole
The drawn-in edge of the center hole keeps the liner in a stable, flat position even in cases of high internal vial pressure.
- Excellent price-performance ratio
Please ask for your individual quotation indicating the required quantity. We will be offering this product which is unique in the market at a very good price-performance ratio on a permanent basis.



Product information

1.2. Fields of application

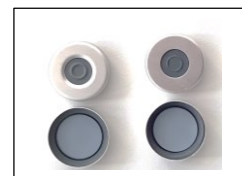
Especially in the headspace area, extremely good sealing properties and an excellent analytical purity are of great importance, since high temperatures are often used here. For this, the above closure ideally suited.

Fields of application:

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| Pharma: | - Residual solvent determination |
| Environment: | - Volatile halogenated hydrocarbons (CHC) /BTX analysis
- Determination of formaldehyde
- Methanol determination in bio diesel |
| Instrument specific: | - For GCs with an unstable injection needle (Thermo Triplus)
- Sealing problems with completely PTFE laminated Silicone/PTFE closures |
| Food: | - Essential oils, flavors in food
- Karl-Fischer determination with Metrohm oven (heating up to 200°C) → also used in other application fields
- Flavor and fragrance analysis
- Packaging: plasticizers in plastics |
| Forensics: | - Forensic, toxic applications (blood alcohol, drugs) |
| Medical diagnostics: | - Benzene and alkylbenzenes in the blood |
| Product tests: | - Trace analysis HT headspace: test of medical devices (heating of plastic parts to determine evaporating compounds) |

1.3. Related products in our current delivery program resp. of competitors

Up to now such special Pharma-Fix liners were only available in Butyl/PTFE (MN REFs 70234.10, 70234), which are, however, only temperature resistant from -40 °C up to 120 °C. In addition Butyl is far more difficult to penetrate than the considerably softer Silicone and its analytical purity is lower as well.



On the other hand, Silicone/PTFE liners are only available as completely PTFE-coated punched septas, which in turn do not seal as optimally as the so-called Pharma-Fix liners with only centrally applied PTFE and the lamellar side edges (MN REFs 702093, 702094, 702091).

We would like to set new standards in the headspace area and are introducing a center hole closure with a so-called Silicone/PTFE Pharma-Fix liner (MN REF 702340), which is characterized by a high analytical purity, a temperature resistance of -60 °C up to 200 °C, good penetration properties and excellent sealing. In addition, we will offer the closure at a permanently attractive price so that everyone can benefit from the advantages of this closure.

Ordering information

702340

N 20 Aluminium crimp cap, silver, center hole
Silicone blue transparent/central PTFE-lamination colorless
Hardness: 45° shore A, Thickness: 3 mm (pack of 100)

