

2.3 PP Screw Seals ND8

- Ready to use combination seals; no time-consuming and “tricky” assembly.
- Available with black or white screw caps with 8-425 thread.
- Available as closed top screw seals or with centre hole.
- Now available either with Natural Rubber or RedRubber as cost-effective seals.

2.3.1 Natural Rubber/TEF, RedRubber/PTFE and Butyl/PTFE Seals

- Natural Rubber is ideal for multiple injections due to high resealability, but not as easy to penetrate as RR/PTFE.
- RR/PTFE has a better purity than NR/TEF, is softer and has less fragmentation, but doesn't offer the same resealability as NR/TEF.
- Butyl as a synthetic rubber has good chemical properties (cleanliness).
- Standard, moderately priced seals for GC and HPLC.
- Temperature resistant from -40°C up to 120°C for NR/TEF + Butyl/PTFE resp. up to 110°C for RR/PTFE.



| Art. No. | 08 15 0460 | 08 15 1965 | 08 15 1637 |
|--|--|--|---------------------|
| Description Cap | | Polypropylene Screw Cap black, 5.5mm centre hole, 8-425 thread | |
| Septa Material | Nat. Rubber red-orange/TEF transparent | RedRubber/PTFE beige | Butyl red/PTFE grey |
| Durometer | 60° shore A | 45° shore A | 55° shore A |
| Thickness | 1.3mm | 1.0mm | 1.3mm |
| Further Screw Seals ND8 with closed/open top resp. with white Caps are available upon request! | | | |
| 100 pcs. per PE-Bag | | | |

2.3.2 Silicone/PTFE Seals

- The special, slitted liner for VWR (Merck®)/Hitachi is only available unassembled, as the diameter with the most optimal valve effect does not achieve any press-fit in the cap. Enlargement of the diameter is only possible with negative effects on the building up of vacuums in the vial.
- Temperature resistant from -60°C up to 200°C.
- Silicone liners with PTFE on both sides for less coring.
- Much cleaner than Natural Rubber, RedRubber or Butyl.
- Different hardnesses (durometers) to meet requirements of the various types of needles regarding penetration.



| Art. No. | 08 15 0293 | 08 15 0427 | 08 15 0886 | 08 15 0294 | 08 15 1449 |
|--|---|---|--|----------------------------------|------------------------------------|
| Description Cap | | | Polypropylene Screw Cap black, 5.5mm centre hole, 8-425 thread | | |
| Septa Material | Silicone white/PTFE red <i>UltraClean</i> | Silicone cream/PTFE red <i>UltraClean</i> | Silicone dark blue/PTFE white | PTFE red/Silicone white/PTFE red | Silicone white/PTFE red, with slit |
| Durometer | 45° shore A | 55° shore A | 45° shore A | 45° shore A | 45° shore A |
| Thickness | 1.3mm | 1.5mm | 1.3mm | 1.0mm | 1.3mm |
| Further Screw Seals ND8 with closed/open top resp. with white Caps are available upon request! | | | | | |
| 100 pcs. per PE-Bag | | | | | |

2.3.3 Natural Rubber/TEF, RedRubber/PTFE, Butyl/PTFE and Silicone/PTFE Seals, closed top



| Art. No. | 08 15 0654 | 08 15 2105 | 08 15 1653 | 08 15 1040 |
|--|--|----------------------|---|---|
| Description Cap | | | Polypropylene Screw Cap black, closed top, 8-425 thread | |
| Septa Material | Nat. Rubber red-orange/TEF transparent | RedRubber/PTFE beige | Butyl red/PTFE grey | Silicone white/PTFE red <i>UltraClean</i> |
| Durometer | 60° shore A | 45° shore A | 55° shore A | 45° shore A |
| Thickness | 1.3mm | 1.0mm | 1.3mm | 1.3mm |
| Further Screw Seals ND8 with closed/open top resp. with white Caps are available upon request! | | | | |
| 100 pcs. per PE-Bag | | | | |

Further 8mm srew caps with different colours are available upon request!